



भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

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No. 33] NEW DELHI, SATURDAY, AUGUST 19, 1989 (SRAVANA 28, 1911)

इस भाग में निम्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
Separate paging is given to this Part in order that it may be filed as a separate compilation

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 19th August 1989

ADDRESS AND JURISDICTION OF OFFICES OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below :—

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3rd Floor, Lower Parel (West),
Bombay-400 013.

The States of Gujarat, Maharashtra, and Madhya Pradesh, and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE".

Patent Office Branch,
Unit No. 401 to 405, 3rd Floor,
Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110 005.

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Telegraphic address "PATENTOFIC".

1—207 GI/89

Patent Office Branch,
61, Wallajah Road,
Madras-600 002.

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and Amindivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office, (Head Office),
"NIZAM PALACE", 2nd M.S.O. Building,
5th, 6th and 7th Floor,
234/4, Acharya Jagadish Bose Road,
Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patent Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the controller drawn on a scheduled bank at the place where the appropriate office is situated.

पेटेंट कार्यालय
एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 19 अगस्त, 1989

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, विल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार नीचे के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोन्डी हस्टेट
तीसरा तल, लोअर परले (पश्चिम),
बम्बई-400 013.

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र
एवं संघ शासित क्षेत्र गोवा, वामन तथा धीव
एवं दादरा और नगर हवेली ।

तार पता—“पेटेंटोफिस” ।

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
नई दिल्ली-110 005.

हरियाणा, हिमाचल प्रदेश, जम्मू तथा
कश्मीर, पंजाब, राजस्थान तथा
उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र
चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटोफिस” ।

पेटेंट कार्यालय शाखा,
61, बालाजाह रोड,
मद्रास-600 002.

आंध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र
एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप,
मिनिक्काय तथा एमिनिविदि द्वीप ।

तार पता—“पेटेंटोफिस” ।

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय भवन,
5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700 020.

भारत का अवशेष क्षेत्र ।

तार पता—“पेटेंट्स” ।

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में
अपीक्षित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य
प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त
किए जायेंगे ।

शुल्क :—शुल्कों की अदायगी या तो नकद की जायगी अथवा
उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा
ड्राफ्ट आदेश या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान
के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट
अथवा चेक द्वारा की जा सकती है ।

CORRIGENDUM

(1) In the Gazette of India, Part III, Section 2, dated 27th May 1989, under the heading 'Application for Patent filed at Patent Office Branch, Bombay-400013 on page 522.

(i) In respect of Patent Application No. 72/BOM/1989—In the title of invention for PURIFIED read PURIFIER.

(ii) In respect of Patent Application No. 81/Bom/1989—In the title of invention for SOAP read SOAP.

(2) In the Gazette of India, Part III, Section 2, dated 3rd June, 1989 under the heading 'Application for Patents filed at Patent Office Branch, Bombay-400013 on page 535.

(i) In respect of Patent Application No. 93/BOM/1989—The name of applicant read as EMIDO GOMES.

(ii) In respect of Patent Application No. 96/BOM/1989—In the title of invention in line second for BATH read BATCH.

APPLICATION FOR PATENTS FILED AT THE HEAD
OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD,
CALCUTTA-20

The dates shown in the crescent brackets are the dates
claimed Under Section 135, of the Patents Act, 1970.

The 11th July 1989

538/Cal/89. Westinghouse Electric Corporation. Improve-
ments in or relating to rubber stops in outside
poles.

539/Cal/89. Westinghouse Electric Corporation. Improve-
ments in or relating to Ct quick change
assembly.

540/Cal/89. Westinghouse Electric Corporation. Improve-
ments in or relating to modular option deck
assembly.

541/Cal/89. Westinghouse Electric Corporation. Improve-
ments in or relating to crossbar assembly.
auxiliary Ct board.

542/Cal/89. Westinghouse Electric Corporation. Improve-
ments in or relating to crossbar assembly.

543/Cal/89. Westinghouse Electric Corporation. Improve-
ments in or relating to laminated copper
assembly.

544/Cal/89. Lock-R-Lock, Inc. Push-button padlocks having
swivel-only shackles.

545/Cal/89. Somar Corporation. Epoxy resin composition.

546/Cal/89. Dr. Ivan Tomka. Hydrophilic polymer of in-
creased resistance to hydrophilic solvents.

547/Cal/89. Hollandse Signaalapparaten B. V. Target
detector.

The 12th July 1989

- 548/Cal/89. Westinghouse Electric Corporation. Improvements in or relating to circuit breaker trip bar interlock.
- 549/Cal/89. Westinghouse Electric Corporation. Improvements in or relating to compressor diaphragm assembly.
- 550/Cal/89. Metacon Ag. The procedure for the control of slide locks, in particular at the continuous casting plants.
- 551/Cal/89. Degussa Aktiengesellschaft. Zeolite powder of the NaA type for use in liquid detergents.
- 552/Cal/89. Dr. Mihir Sen. Material having superconducting properties at room temperature and method for manufacturing same.
- 553/Cal/89. (1) Suroj Kumar Mitra, (2) Hardev Prasad Sinha, (3) N V. S. Krishna, (4) Kennath N. Das, (5) Biswanath Ghosh, (6) Hemant Manohar Nerurkar, (7) Dr. Atintra Nath Mitra, (8) Dr. Tridivesh Mukherjee and (9) Tata Iron & Steel Co. Ltd. Process for the preparation of anhydrous tap hole mixture for blast furnace.
- 554/Cal/89. (1) Suroj Kumar Mitra, (2) Hardev Prasad Sinha, (3) N V. S. Krishna, (4) Kennath N. Das, (5) Biswanath Ghosh, (6) Hemant Manohar Nerurkar, (7) Dr. Atintra Nath Mitra, (8) Dr. Tridivesh Mukherjee and (9) Tata Iron & Steel Co. Ltd. Process for the preparation of bauxite based low Cement Castables.
- 555/Cal/89. Veitscher Magnesitwerke-Actien-Gesellschaft. Process and apparatus for intermittent spraying of a paste like composition.
- 556/Cal/89. Gurit-Esex Ag. Resins which may be cured to form polymeric resins which are difficultly inflammable and resistant to high temperatures, and process for preparing them.
- 557/Cal/89. Shri Pradip Kumar Routh. Curvograph.
- 558/Cal/89. Shri Pradip Kumar Routh. Vehicle Pollutant Swallower.

The 13th July 1989

- 559/Cal/89. Thomson Consumer Electronic, Inc. Electron gun assembly having a reinforced heater tab with locating means.
- 560/Cal/89. Metacon Ag. Fire-proof set of plates for three-plate slide locks.
- 561/Cal/89. Siemens Aktiengesellschaft. Seal for contact zones of two or more sealing systems.
- 562/Cal/89. Mark Urievich Polyak, Gely Petrovich Abugov, Vladimir Bentsianovich Belyak. Digital Telephone System.

The 17th July 1989

- 563/Cal/89. RCA Licensing Corporation. Method for preparing improved lithium-silicate glare-reducing coating for a cathode-ray tube.
- 564/Cal/89. E.I. Du Pont De Nemours and Company. Monofilaments with high Tenacity and High Tensile Uniformity and process and apparatus for Spinning and drawing same.
- 565/Cal/89. E.I. Du Pont De Nemours and Company. Monofilament for embedding in rubber.
- 566/Cal/89. E. I. Du Pont De Nemours and Company. High tenacity oblong cross-section monofilaments.
- 567/Cal/89. E.I. Du Pont De Nemours and Company. Tire cord monofilaments.

568/Cal/89. (1) Vologodsky Politekhichesky Institut I., (2) Donetsk Nauchno-Issledovatel'sky Institut Chernoi Metallurgii, (3) Cherepovetsky Metallurgichesky Kombinat Imeni. Method of cooling hot-rolled sheet metal.

569/Cal/89. Subhas Gosain. A machine for preparing chequered roll.

570/Cal/89. Farel Bradbury. Mechanical transducer. (Convention dated 15th July, 1988) (U.K.).

571/Cal/89. Fidia S.p.A. New Polysaccharide esters and salts thereof. [Divisional date 8th July 1986].

The 18th July 1989

- 572/Cal/89. Dr. Dipak Kumar Bhattacharyya and Md. Ali Newaz. A new method of dewaxing of rice bran oil by aluminium sulphate.
- 573/Cal/89. B. V. Optische Industrie "De Oude Delft". Dosimeter for ionizing radiation.
- 574/Cal/89. ICI India Limited. A novel process for the manufacture of optically active amino acid derivatives from racemic 5-(4H) oxazolones.
- 575/Cal/89. Predpriyatiye "Daltekhenergo" Proizvodstvennogo Obiedineniya Po Naladke, Sovershens tovoynaniju Tekhnologii I ekspluatatsii Elektrostantsky I Setei "Soujztekhnenergo". Apparatus for the electrochemical machining of fashioned surfaces.
- 576/Cal/89. Nauchno-Issledovatel'sky Institut Fiziko-Khimicheskoi Meditsiny. Method for producing affinity-enzymatic compounds for visual indication of cholesterol on skin surface based on cholesterol affinant detecting agent and visualizing agent and application thereof.
- 577/Cal/89. Pennwalt Corporation. Process for the manufacture of dialkyl disulfides and polysulfides.
- 578/Cal/89. RCA Licensing Corporation. Color cathode-ray tube having a heat dissipative electron reflective coating on a color selection electrode.
- 579/Cal/89. The Babcock & Wilcox Company. Digital electronics system for controlling a fiber optic shedding flowmeter.

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, IIIRD FLOOR, KAROL BAGH, NEW DELHI-5

The 19th June 1989

- 523/Del/89. Allied Signal Inc., "Dimensionally stable polyester yarn for high tenacity treated cords".
- 524/Del/89. The Lubrizol Corporation, "A process for preparing a substituted succinimide derivatives". [Divisional date 23rd September, 1986].
- 525/Del/89. Exxon Chemical Patents Inc., "Non-aqueous process for the preparation of alumoxanes".
- 526/Del/89. Kenneth Weisberg, "A gender indicating colorimetric test on pregnancy urine and test kit therefor".
- 527/Del/89. De Beers Industrial Diamond Division (Proprietary) Ltd., "Diamond tool".

The 20th June 1989

- 528/Del/89. Imperial chemical Industries Inc., "A catalytic shift process". [Divisional date 19th August, 1986].
- 529/Del/89. The Goodyear Tyre & Rubber Co., "Rubber vulcanization agents".

530/Del/89. Essex Environmental Industries Inc., "Rotationally molded circular storage tank with integral fork-lift channels and legs".

531/Del/89. SIBIRSKY NAUCHNO-ISSLEDOVATELSKY INSTITUT ENERGETIKI (SIBNITE), "Arrangement for replacing faulty insulators in suspension insulator string of overhead power transmission line under voltage".

The 21st June 1989

532/Del/89. Paul Wurth S. A., "Device for injecting pre-heated air in a shaft furnace".

533/Del/89. Victor Company of Japan Ltd., "Method and apparatus of repeatedly recording optical image information and image pickup device".

The 22nd June 1989

534/Del/89. Council of Scientific & Industrial Research, "Improved equipment for manufacture of lean fuel gas from solid fuels, particularly low grade coal".

535/Del/89. The Lubrizol Corporation, "Compositions containing elastomers and non-carbonated metal-containing complexes".

536/Del/89. The Procter & Gamble Co., "Opening device for flexible bags filled with compressed flexible articles".
(Convention date 28th June, 1988) (U.K.).

537/Del/89. BP Chemicals Ltd., "A process for elutriation of particles of a zigler natta-type catalyst".
(Convention date 30th September, 1986) (U.K.).
[Divisional date 19th January, 1987].

The 23rd June 1989

538/Del/89. S. Vijayaraghavan, "Preservation of perishables and control of insect infestation in cereals in a combination of inert gas atmosphere and refrigeration".

539/Del/89. S. Vijayaraghavan, "Production of scented rice having aroma of basmati rice from other varieties of rice".

540/Del/89. Vishwas Raghunath Nene, "Ring vortex blade".

541/Del/89. Paul Wurth S. A., "Handling device for a distribution chute of a shaft furnace and drive mechanism suitable for this device".

542/Del/89. Allegheny Ludlum Corporation, "Method of refining magnetic domains of barrier coated electrical steels using metallic contaminants".

543/Del/89. Allegheny Ludlum Corporation, "Method of producing stable magnetic domain refinement of electrical steels by metallic contaminants".

544/Del/89. Avery International Corporation, "Improvements relating to adherent surfaces". (Convention date 25th June, 1988) (U.K.).

The 26th June 1989

545/Del/89. Aditya Gupta, "A temper-proof seal for general purposes". [Additional to 886/Del/87 dated 9-10-1987].

546/Del/89. Latviiskaya Selskokhozyaistvennaya Akademia, "Automatic Milk counter of milking unit".

547/Del/89. Latviiskaya Selskokhozyaistvennaya Akademia, "Device for determining the index of individual productivity and feed ration of animals".

548/Del/89. Nalge company, "Centrifuge tube".

The 27th June 1989

549/Del/89. Intel Gasgards (P) Ltd., "Improvements in and relating to valve Assemblies".

550/Del/89. Council of Scientific and Industrial Research, "An improved anaerobic moving bed contractor for treatment of biodegradable liquid wastes and biogas recovery".

551/Del/89. Council of Scientific and Industrial Research, "An improved concentrating type solar cooker".

552/Del/89. Council of Scientific and Industrial Research, "A process for the electrolytic preparation of magnesium perchlorate from magnesium chlorate and electrolytic cell therefor".

553/Del/89. Council of Scientific and Industrial Research, "An Improved process for the preparation of symmetrical Alkyl ureas".

554/Del/89. National Institute of Immunology, "Improved Immunising Vaccine effective against tuberculosis".

555/Del/89. Coronet-Welke Heinrich Schlerf GmbH, "Process and apparatus for production of bristle products".

556/Del/89. GEC Plessey Telecommunications Limited, "Multi-Channel controller". [Convention date 20th July, 1988 U.K.].

557/Del/89. The procter & Gamble Company, "Bicomponent film and Deodorizing Material".

558/Del/89. International Business Machines Corporation, "Semi Conductor chip for performing both digital and analog functions". [Convention date 21st March, 1989, U.K.].

The 28th June 1989

559/Del/89. Michel Ebersolt, "Fast-Moving Barge".

560/Del/89. Michel Ebersolt, "Appendices designed to increase the speed of ships and to reduce pitching".

561/Del/89. C. R. Bard, Inc., "Method and apparatus for fitting a patient with a body cavity electrode".

562/Del/89. Motorola, Inc., "Data Message Waiting".

563/Del/89. Reliance electric Industrial Company, "Improved bearing Assembly".

564/Del/89. Warner-Lambert Company, "Shaving Razors".

565/Del/89. Rohm and Hass Company, "Aqueous emulsion copolymers with siloxane functionality".

566/Del/89. Robert J. Bolen, Jr., "Dispensing closure".

The 29th June 1989

567/Del/89. Deepak Kumar Gamkhar, "A process for the desalination of saline water".

568/Del/89. Pfizer hospital products group, Inc., "Blood recovery system and method".

569/Del/89. Leon Cariel, "Polyphenolic product having antiviral activity".

570/Del/89. Graco Inc., "Liquid flow meter". [Convention date 30th March, 89, (Canada)].

571/Del/89. Chemische Fabrik stockhausen GmbH., "Liquid or flowable derivatives of natural fats and oils, A process for their production and their use".

The 30th June 1989

572/Del/89. The goodyear tire and rubber company, "Pneumatic tire containing syndiotactic 1, 2-polybutadiene".

573/Del/89. The goodyear tire & rubber Company, "Nylon modified rubber composition".

- 574/Del/89. The Goodyear Tire & Rubber Company, "High modulus rubber composition".
- 575/Del/89. The Goodyear Tire & Rubber Company, "High modulus rubber composition".
- 576/Del/89. Raoul Parienti, "Private date-communication and data-management system".

APPLICATIONS FOR PATENT FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, THIRD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST), BOMBAY-13

The 21st June 1989

- 170/Bom/89. Hindustan Lever Ltd. Method for refining Glyceride oils.
- 171/Bom/89. Prahlad S. Deora. A non-spill container adapted to be used consuming a liquid from the same.

The 23rd June 1989

- 172/Bom/89. Vipin Champsey Shah. An improved multi-filament lamp with a plastic button on the side of the cap.
- 173/Bom/89. Waggon Union GmbH. A railway goods van.

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

The 3rd July 1989

- 505/Mas/89. Thirumalai Anandampillai Vijayan. Improved wind mill.
- 506/Mas/89. J. S. Telecommunications. Microcomputer integrating a digital subscriber terminal for an integrated service digital network.

The 4th July 1989

- 507/Mas/89. Schlumberger Limited. Method and apparatus for performing acoustic investigation in a borehole.
- 508/Mas/89. Board of Trustees. Method for stimulating plant growth using synthetically produced 9-Beta-L (+) Adenosine.
- 509/Mas/89. Henkel Kommanditgesellschaft auf Aktien. A dispenser for dispensing a solid substance, more especially a solid adhesive, locally removable by abrasion.
- 510/Mas/89. Inventio AG. Group control for lifts with immediate allocation of target calls.
- 511/Mas/89. Mannesmann Aktiengesellschaft. Method for continuous casting of thin slab ingots.
- 512/Mas/89. Deutsches Auesatzigen-Hilfewerl e.v. A method for preparing a drug composition to combat infectious disease. (Divisional to Patent Applications Nos. 732/Mas/87 of 479/Mas/85).

The 5th July 1989

- 513/Mas/89. Pro-Neuron, Inc. Acyl Deoxyribonucleoside derivatives and uses thereof. (February 3, 1989; Canada).

- 514/Mas/89. Indian Space Research Organisation. A process for preparing a novel fire extinguishing powder.

- 515/Mas/89. BASF Aktiengesellschaft. Removal of NO_x from the Waste gases obtained in the production of fertilizers.

- 516/Mas/89. Schlumberger Limited. Down hole tool for determination of formation properties.

The 6th July 1989

- 517/Mas/89. Schubert & Salzer Maschinenfabrik Aktiengesellschaft. A method and device for pointing the thread in an open-end spinning means.

The 7th July 1989

- 518/Mas/89. Union Carbide Corporation. A continuous process for dimerizing ethylene to produce buten-1 in a fluidized bed. (Divisional to Patent Application No. 163/Mas/86).

- 519/Mas/89. Rockwell International Corporation. Piezo-electric actuator.

ALTERATION

- 165130 Anti-dated to November 08, 1983.
(687/Del/86).
- 165131 Anti-dated to June 04, 1987.
(227/Del/87).

OPPOSITION PROCEEDINGS

The opposition entered by M/s. Piaggio & CSPA, Italy to the grant of a patent on the application for Patent No. 158037 made by M/s. Bajaj Auto Ltd., Pune as notified in the Gazette of India, Part III, Section 2 dated 21st March, 1987 has been allowed and the grant of a patent on the application refused.

An opposition, entered by Maithan Ceramic Private Limited to grant of a patent on an application for Patent No. 159287 (201/Del/83) made by Cement Research Institute of India, as notified in Part III Section 2 of the Gazette of India dated 12-12-87 has been treated as deemed to have been not launched and patent has been ordered to be sealed.

PATENT SEALED

162344	163267	163268	163488	163516	163656	163664
163665	163668	163670	163675	163678	163679	163680
163684	163685	163688	163781	163912	163918	163943
163960	163961	163962	163971	163977	163981	163984
163985	163986	163987	163988	163989	163997	163998
164132.						

CAL = 13.
DEL = 10.
MAS = 8.
BOM = 5.

NUMBER OF PATENTS SEALED MONTHWISE FROM 1ST JUNE, 1989 TO 30TH JUNE, 1989

INDIAN	:	50
FOREIGN	:	151
TOTAL	:	201

RENEWAL FEES PAID

143183	144645	144792	144919	144979	145638	145701
145863	146578	147767	148129	148322	148845	150097
150563	151120	151262	151397	152255	152332	152333
152409	152740	152809	152814	152879	153320	153669
154133	154187	164230	154434	154619	154630	154793
155071	155080	155415	156075	156384	156450	156491
156974	157126	157238	157383	157972	158104	158274
158546	158547	158596	159079	159234	159738	160022
160049	160923	161251	161382	161555	161579	161580
161712	161749	161817	161898	161924	162009	162141
162554	162879	163066	163191	163323	163331	163337
163338	163407	163435	163472	163475	163478	153483
163485	163489	163528	153535	163561	163573	163576
163592	163614	163695	163701	163702	163750	163801

CESSATION OF PATENTS

147989 156170 158801 159058.

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 159779 granted to Mitsubishi Denki Kabushiki Kaisha for an invention relating to "generator circuitry to connect/disconnect a generator from a bus connected to a power supply".

The patent ceased on the 5th August 1988 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 3-6-89.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700020 on or before the 19th Oct. 1989 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 157966 granted to Shriram Institute for Industrial Research for an invention relating to "a process for the preparation of high impact resistant polymers of vinyl aromatic compounds".

The patent ceased on the 12th April 1988 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 3-6-89.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700020 on or before the 19th Oct. 1989 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 154458 granted to Cosden Technology, Inc. for an invention relating to "a process for preparing a halogen-containing alumina catalyst".

The patent ceased on the 2nd Sept. 1988 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 3-6-89.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700020 on or before the 19th Oct. 1989 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 156438 granted to Eaton Corporation for an invention relating to "Shifting actuator".

The patent ceased on the 20th April 1988 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 3-6-89.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700020 on or before the 19th Oct. 1989 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(5)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 152241 granted to Council of Scientific & Industrial Research for an invention relating to "a process for purification and enrichment of low grade molybdenite concentrates".

The patent ceased on the 5th June 1988 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 3-6-89.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700020 on or before the 19th Oct. 1989 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(6)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 156154 granted to Council of Scientific & Industrial Research for an invention relating to "sealing device for rendering fluid tight an entry point of an electrical cable, wire or conductor to an electrical apparatus".

The patent, ceased on the 9th July 1988 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 3rd June 1989.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700020 on or before the 19th Oct. 1989 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(7)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 155887 granted to Council of Scientific & Industrial Research for an invention relating to "a process for preparation of tetra-N-butylammonium iodide."

The patent ceased on the 16th April 1988 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 3rd June 1989.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700020 on or before the 19th Oct. 1989 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(8)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 161536 granted to Dinesh Vrajilal Modi for an invention relating to "a protective sheath for electric conductors".

The patent ceased on the 26th January 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 3rd June 1989.

Any interested person may give notice of opposition to the restoration by leaving a notice Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 19th Oct. 1989 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(9)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 162141 granted to "Kabushiki Kaisha Meidensha" for an invention relating to "metal enclosed switchgear".

The patent ceased on the 23rd March 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 3-6-89.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700020 on or before the 19th Oct. 1989 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 26 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्ध आवेदनो में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो के भीतर कभी भी नियंत्रक, एक्सव को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य; उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर-राष्ट्रीय वर्गीकरण के अनुरूप हैं।"

नीचे सूचीगत विनिर्देशों की सीमित संख्या में मुद्रित प्रतियों, भारत सरकार बुक डिपो, 8, किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथा समय उपलब्ध होगी। प्रत्येक विनिर्देश का मूल्य 2/- रु. है (यदि भारत के बाहर भेजे जायें तो अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश की आपूर्ति हेतु मांग पत्र के साथ निम्नलिखित सूची में यथा प्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता द्वारा विहित लिप्यान्तरण प्रभार उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी अवश्यगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Int. Cl.⁴—B65D 53/00.

165092

A PROCESS FOR MAKING A SEALED CONTAINER AND A CONTAINER MADE THEREBY.

Applicant: METAL BOX p.l.c., OF QUEENS HOUSE, FORBURY ROAD, READING, BERKSHIRE RG 1 3JH, ENGLAND, A BRITISH COMPANY.

Inventors: (1) JOHN ALFRED PERIGO (2) GEOFFREY TUCKER.

Application No. 359/Mas/85 filed May 13, 1985.

Convention dated: May 14, 1984 (No. 8412244; United Kingdom)

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims.

A process of making a sealed container comprising a container body and a cover, the cover having a peripheral cover portion which comprises an upstanding chuck wall and a seaming panel merging with the chuck wall and a terminal cover curl, the body having a side wall terminating in a peripheral body portion which comprises a sidewall end portion and a seaming flange merging with the sidewall end portion, the said process comprising the steps of:

(1) locating the seaming panel in overlying contact with the seaming flange to define an initial interface therebetween, while locating the chuck wall within the sidewall end portion;

(2) progressively deforming the peripheral cover and body portions transversely inwardly to interlock them;

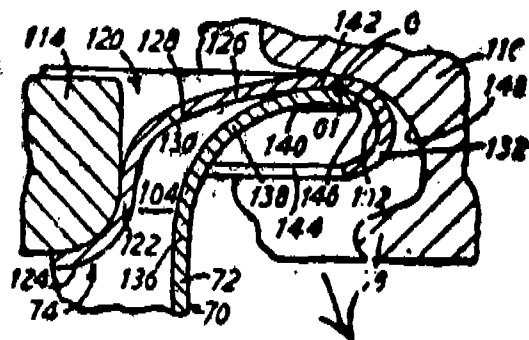
(3) squeezing the peripheral cover and body portions together to form a double seam,

wherein;

—in step 1, the chuck wall is located out of contact with the sidewall end portion;

—step 2 comprises applying directly to the seaming panel, and progressively around it, a force perpendicular to a tangent to the initial interface, thereby holding the seaming panel against the seaming flange at the initial interface in the direction of the said force, while progressively deforming the peripheral cover and body portions as aforesaid, without bringing the sidewall end portion into contact with the chuck wall and without significant relative movement between the seaming panel and flange at the initial interface; and

—step 3 comprises applying directly to the seaming panel, and progressively around it, a substantially transverse inward force perpendicular to a tangent to the initial interface, thereby reducing the sidewall end portion in girth and forcing it against the chuck wall while squeezing the peripheral cover and body portions together, without significant relative movement between the seaming panel and flange at the initial interface, whereby the initial interface is preserved in the double seam.



(Com.—25 pages; Drawgs.—3 sheets)

Int. Cl. B56G 53/04.

165093

AN APPARATUS CONTINUOUS GRAVIMETRIC METERING AND FEEDING OF POURABLE MATERIAL.

Applicant: Pfister GmbH, of Staetzingenstrasse 70, D-8900 Augsburg, Federal Republic of Germany, a German company.

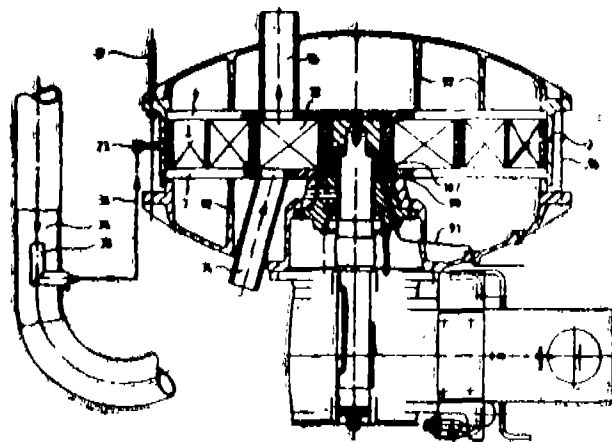
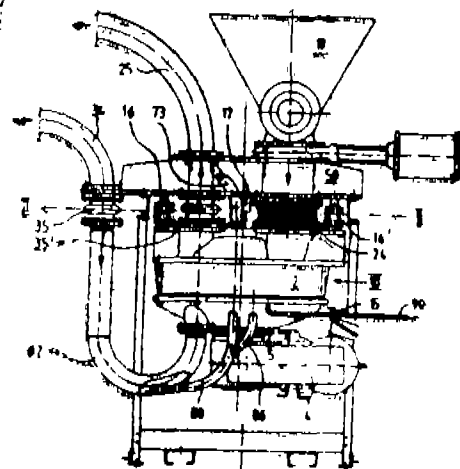
Inventor: HANS WILHELM HAFNER.

Application No. 389/Mas/85 filed 28th May 1985.

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

18 Claims.

An apparatus for continuous gravimetric metering and feeding of pourable material conveyed by a conveyer means through a metering path the conveyer means comprising a housing having a side wall having an essentially cylindrical inner surface and an upper and lower face walls provided with charging and discharging ports, respectively; a rotor mounted in and sealed to said housing for rotation about a vertical axis, said rotor, having a plurality of laterally closed pockets, and means for supplying a pressurized gaseous medium to spaces within the housing and the rotor and between them.



(Com. Specn—16 pages. Drg. 5 sheets).

Int. Cl.⁴: C23F 11/06.

165094

Int. Cl.⁴: F23L 13/06.

165095

CORROSION INHIBITOR FOR BRINES.

Applicant: THE DOW CHEMICAL COMPANY, a corporation organized and existing under the laws of the State of Delaware, U.S.A., of 2030 Dow Center, Abbott Road, Midland, Michigan, 48640, U.S.A.

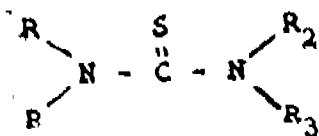
Inventor: PETER ANTHONY DOTY; WILLIAM ALEX LARSON.

Application No. 401/MAS/85 filed 31st May 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

8 Claims.

A composition for inhibiting the corrosion of ferrous metals and alloys thereof comprising water, at least one alkali or alkaline earth metal halide and 0.005% to 5% by weight of a water soluble zinc ion donor and 0.005% to 5% by weight of a water soluble thiocyanate ion donor, the composition having a density of from 8 pounds per gallon (958.64 kg/m³) to 16 pounds per gallon (1917.28 kg/m³).



(Com. Specification—17 pages. Drg. 1 sheet).

A REFRACTORY PLATE FOR USE WITH A SLIDING GATE VALVE.

Applicant: FLO-CON SYSTEMS, INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF ILLINOIS, OF CHAMPAIGN, ILLINOIS, U.S.A.

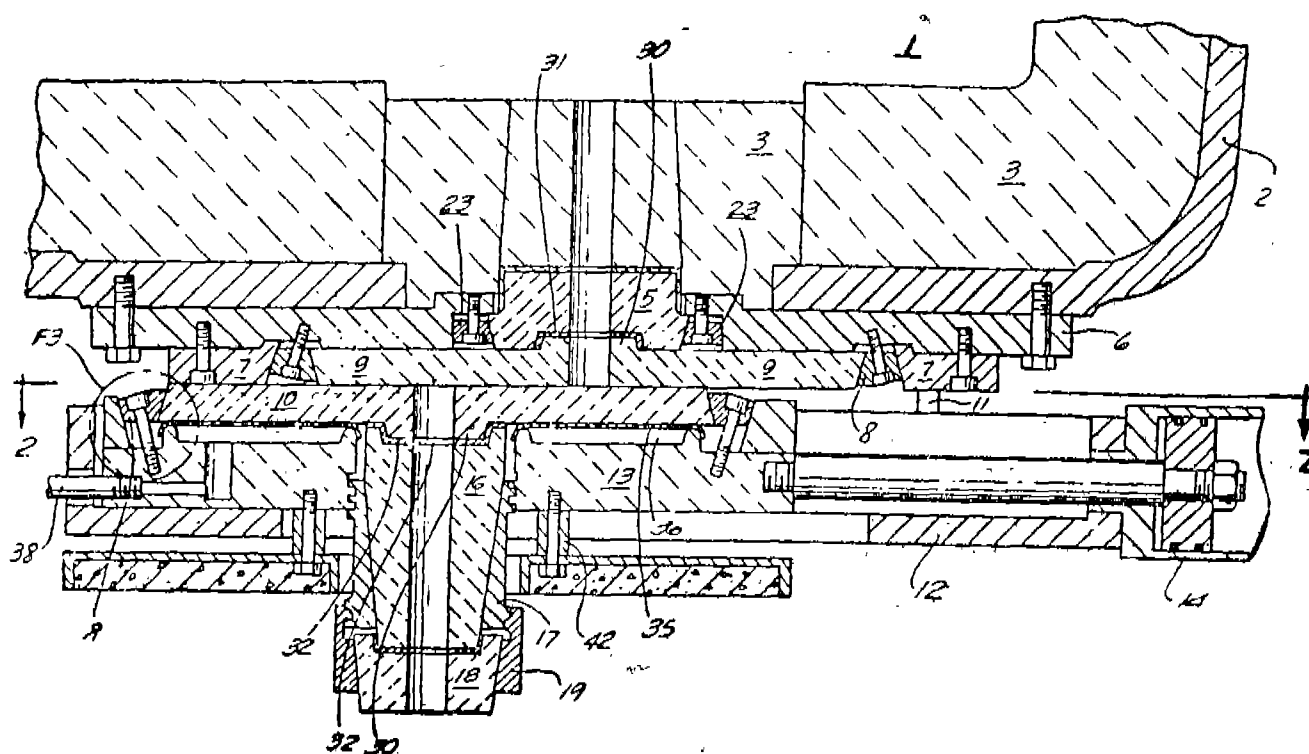
Inventor: EARL PAGE SHAPLAND.

Application No. 432/Mas/85 filed June 11, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

18 Claims.

A refractory plate for a sliding gate valve comprising a refractory slab having opposite faces, said slab having its edge portions between the opposite faces, at least two opposed tapered edge portions said tapered edge portions permits central and mounted compressive force components on the edges when engaged by a clamp having a mating tapered face, wherein the refractory slab having opposite faces, one face being a sliding face, one edged side having a tapered face, one and edge having a tapered face, each face tapering outwardly and downwardly toward a mounting member.



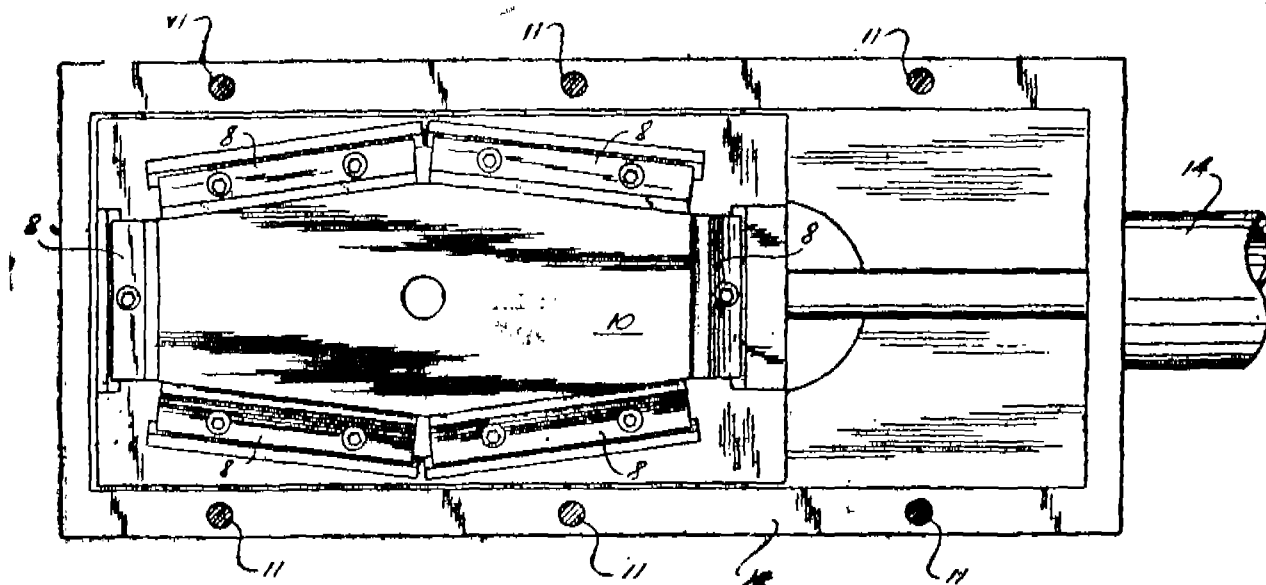


FIG. 1 (Com.—16 pages. Drawgs.—6 sheets)

Int. Cl.4 : F 02 B 57/00. 165096

IMPROVED STIRLING ENGINE WITH A SPRING DRIVER RECIPROCATING DISPLACER.

Applicant : STIRLING TECHNOLOGY INC., 9, Factory Street, ATHENS OHIO 45701, U.S.A., a Company incorporated in the United States of America.

Inventors : (1) BRUCE J. CHAGNOT AND (2) JAMES GARY WOOD.

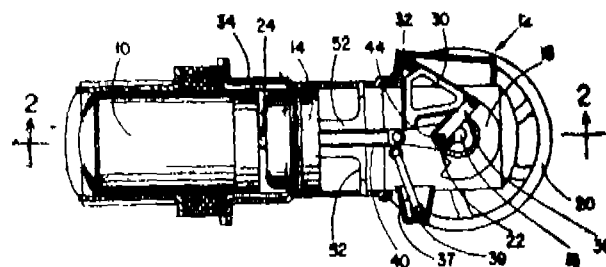
Application No. 436/MAS/85 filed June 12, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

2 Claims.

An improved Stirling engine wherein a reciprocating displacer is drivingly linked to a reciprocating piston or any conventional displacer drive means mounted in a housing with a gas spring linked to a point located between the said displacer and the drive linkage to be protected and relaxed in substantially the mean position of the said displacer for applying a centering force upon the said displacer to reduce the loading on the displacer drive linkage, the said gas spring being linked at one end to the said displacer and its other end to the reciprocating piston mounted in the housing, a first check valve connected in communication between the said gas spring and the ambient atmosphere for permitting the gas flow into the gas spring and a second check valve connected in communication between the said gas spring and the interior of the said engine for permitting the gas flow into the engine, means for blocking the gas flow through the said second check valve whereby the pressure ratio of the said gas spring being equal to the desired mean operating pressure of the engine in bars; the displacer drive linkage having a connecting rod extending axially through the said

power piston and a pump having a piston member mounted co-axially on the said rod, wherein either the said piston or a cylinder member is connected to the said connecting rod and the other member of the housing.



(Complete specification 12 pages.

Drg. one sheet.)

Int. Cl.4 : A 16 M 5/315.

165097

DOSING MEANS FOR A HYPODERMIC SYRINGE.

Applicant : Duma AB, of PO Box 22047, S-104, 22 Stockholm, Sweden, a Swedish company.

Inventor : MARKA ERIKSSON.

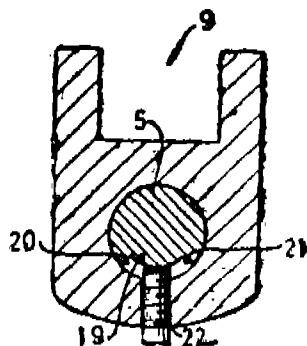
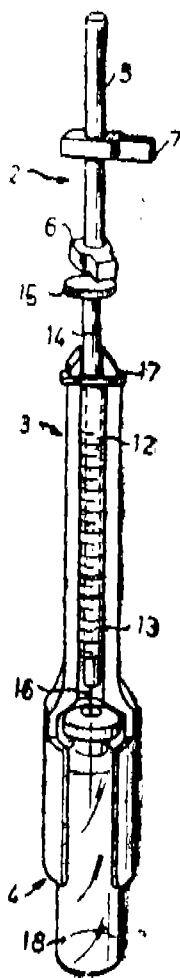
Application No. 449/MAS/85 filed 18th June 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

14 Claims.

A dosing means for facilitating drawing a pre-determined volume of liquid, to be injected into a hypodermic syringe (12) having an axially displaceable plunger (14) projecting from the syringe, the said dosing means comprises atleast a

first positioning element (3) providing a formation to receive and locate the syringe body, first stop means (6, 25) for limiting the withdrawal of the syringe plunger to a first axial position with respect to the first positioning element (3) and a second stop means (7, 26) for limiting the withdrawal of the syringe plunger to a second axial position with respect to the first positioning element (3), the said first and second stop means (6, 25; 7, 26) being mounted on a rotatable member (5, 5') which is rotatable between a position at which only the first stop means (6, 25) lies in the path of movement of the free end (15) of the plunger (14) and a position at which only the second stop means (7, 26) lies in the path of movement of the free end (15) of the plunger (14).



cen.—16 pages. Drg. 2 sheets).

Int. Cl. 4 : H 20 K 41/02.

165098

A LINEAR MOTOR OPERABLE BY A PRESSURE MEDIUM FOR USE IN A CONVEYOR SYSTEM.

Applicant : Festo KG, of Ruiter Strasse 82 7300 Esslingen Federal Republic of Germany, a German Company.

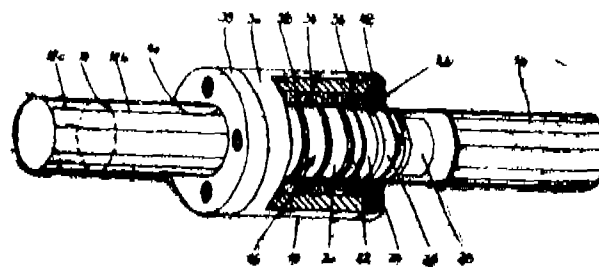
Inventor : KURT STOLL.

Application No. 450/MAS/85 filed 18th June 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

14 Claims.

A linear motor for use in a conveyor system, said motor being operable by a pressure medium and comprising a tubular part connectible to a source of the pressure medium, a piston which is slidable in said tubular part and which has sealing means at each end for wiping engagement with an internal surface of the tubular part and so as to form a seal for the pressure medium, and a driven assembly which is slidable on the tubular part and which has means at each end for wiping engagement with an external surface of the tubular part, the piston and the driven assembly each carrying a drive magnet arrangement in the form of a hollow cylindrical assembly, each magnet arrangement having minimum radial play relative to the adjacent surface of the tubular part, and surfaces of the magnet arrangements which face the tubular part being closely adjacent to the respective surface of the tubular part.



(Com. Specn.—18 pages. Drg. 1 sheet).

Int. Cl. 4 : A 63 B 21/00.

165099.

AN IMPROVED, ADJUSTABLE, FLOOR-SUPPORTED EXERCISE BENCH.

Applicant : DIVERSIFIED PRODUCTS CORPORATION, of 309 Williamson Avenue, Opelika, Alabama 36803 U.S.A., a Corporation of the State of Delaware U.S.A.

Inventor : Gary Lamar Rockwell.

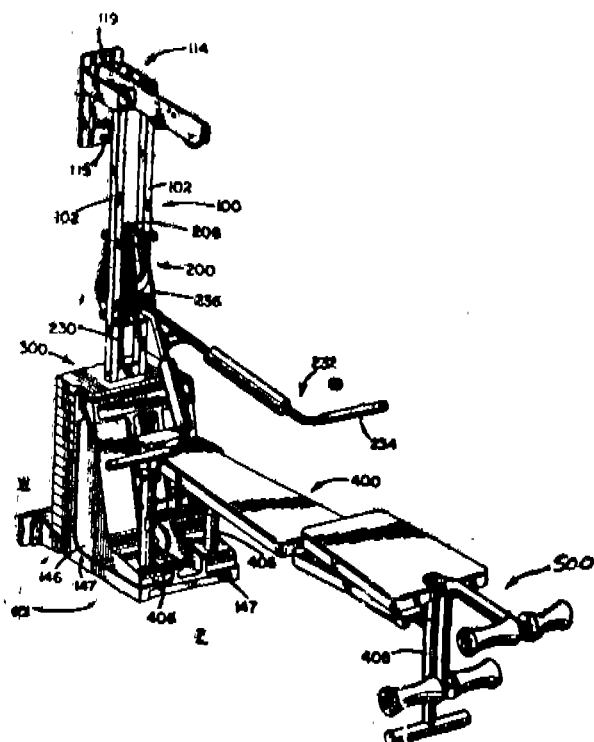
Application No. 451/MAS/85 filed 18th June 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

15 Claims.

An improved adjustable, floor-supported exercise bench having an elongated bench frame, a seat supported on said bench frame, and front and rear support means for supporting said bench frame above the floor, the improvement comprising said bench frame having front and rear longitudinally arranged subframes, said subframes each having front and rear ends, the rear end of said front subframe positioned adjacent the front end of said rear subframe with the rear end of said rear subframe supported by said rear support means, said rear subframe comprising a single, tubular, longitudinal undercarriage member, pivot means for pivotably interconnecting the adjacent ends of said subframes, said front

support means comprising a front leg assembly selectively coupled with said undercarriage member for selectively supporting said front subframe between (1) a first position wherein said front leg assembly is removed from said undercarriage assembly so that said front subframe and said front end of rear subframe are adjacent the floor and wherein said rear subframe is supported by said undercarriage member so that said rear subframe is inclined upwardly at an obtuse angle with respect to said front subframe when said front and rear subframes are in said first position and (2) a second position wherein said front leg is coupled with said undercarriage member and wherein said front and rear subframes are substantially coplanar and elevated above the floor, and lock means for selectively allowing relative pivotal movement about said pivot means between said subframes in said first position and selectively preventing relative pivotal movement about said pivot means between said subframes in said second position.



(Com. Specn.—23 pages, Drg. 4 sheets).

Int. Cl.⁴: B 61 F 3/08

165100

A TRUCK ASSEMBLY FOR USE WITH A RAILWAY VEHICLE ON WHICH THE TRUCK IS ADAPTED TO BE MOUNTED.

Applicant: RAILWAY ENGINEERING ASSOCIATES, INC., OF 38 WEST UNIVERSITY AVENUE, BETHLEHEM, PENNSYLVANIA 18015, U.S.A. A CORPORATION OF THE STATE OF PENNSYLVANIA, U.S.A.

Inventor: HAROLD A. LIST.

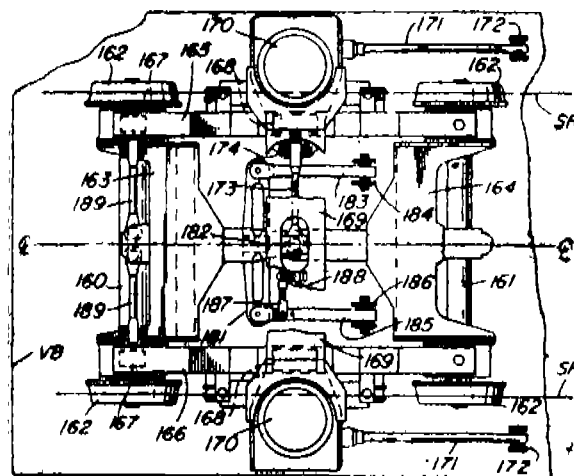
Application No. 456/MAS/85 filed 19th June 1985.

Appropriate Office for Opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Madras Branch.

5 Claims

A truck assembly for use with a railway vehicle on which the truck is adapted to be mounted, the truck assembly comprising two axle-born wheelsets, load-bearing truck framing pivotally movable about a vertical axis with respect to the

vehicle body, a steering arm for each wheelset having load-bearing portions with axle bearings movable with respect to the framing in the steering sense, resilient pads between the steering arms and the load bearing truck framing, mechanism interconnecting the steering arms in the region between the axles independently of the load-bearing framing and enforcing coordinated substantially equal and opposite relative yawing motions of the wheelsets with respect to the truck framing, and damping mechanism for yieldingly resisting yaw motions of the steering arms having two damping devices for resisting said relative yawing motions one of which devices provides a relatively high rate of increase of resistance per unit of deflection in the initial portion of the yaw motion of the steering arms and another of which device provides a relatively low rate of increase of resistance per unit of deflection in a portion of the motion beyond said initial portion.



Com. Specn. 23 pages.

Drg. 4 sheets.

Int. Cl.⁴: H 04 N 5/76.

165101

VIDEO SIGNAL RECORDING AND REPRODUCING APPARATUS.

Applicant: VECTOR COMPANY OF JAPAN, LTD., OF NO. 12, 3-CHOME, MORIYA-CHO, KANAGAWA-KU, YOKOHAMA-SHI, KANAGAWA-KEN, JAPAN, A JAPANESE COMPANY.

Inventor: YASUTOSHI MATSUO.

Application No. 486/Mas/85 filed June 27, 1985.

Appropriate Office for Opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Madras Branch.

8 Claims.

A video signal recording and reproducing apparatus comprising:

sampling means (12) for sampling an input video signal such as a luminance signal by a signal having a frequency f_s to produce a sampled signal, said frequency f_s being lower than twice an upper limit frequency of said input video signal and being higher than the upper limit frequency;

multiplexed signal obtaining means (13, 20) coupled to said sampling means (12) for producing a multiplexed signal by multiplexing a reference burst signal (BU) to said sampled signal for every predetermined time period, said reference burst signal (BU) being generated in said multiplexed signal obtaining means by frequency-dividing said sampling signal having the frequency f_s , and

recording means (19) for recording said multiplexed signal on a recording medium;

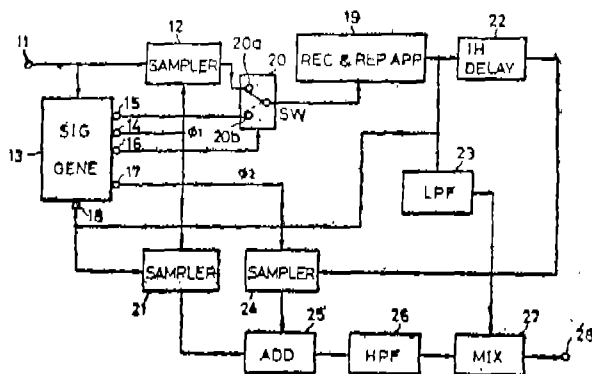
reproducing means (19) for reproducing the multiplexed signal which has been recorded by said recording means (19) on said recording medium.

signal obtaining means (22) coupled to said reproducing means (19) and comprising a delay circuit (22) for delaying the multiplexed signal reproduced by said reproducing means (19) to provide first and second signals which have a relative time difference of one horizontal scanning period;

sampling pulse generating means (13) coupled to said reproducing means (19), for separating said reference burst signal (BU) from the multiplexed signal reproduced by said reproducing means (19), and for generating first and second sampling pulses (ϕ_1 , ϕ_2) from said sampling signal, said sampling pulses having the frequency f_s and having phases mutually different by 180° and being respectively in phase synchronised with said reference burst signal (BU) that is separated by said sampling pulse generating means (13);

re-sampling means (21, 24) coupled to said signal obtaining means (22) and to said sampling pulse generating means (13), for producing a first re-sampled signal by re-sampling said first signal provided by said signal obtaining means (13) with said first sampling pulse (ϕ_1) and for producing a second re-sampled signal by re-sampling said second signal provided by said signal obtaining means (13) with said second sampling pulse (ϕ_2); and

video signal obtaining means (25, 26, 27) coupled to said re-sampling means (21, 24), for adding said first and second re-sampled signals produced by said re-sampling means so as to obtain a video signal which is essentially sampled to a frequency $2f_s$.



Comp. Specn. 53 pages.

Drgs. 12 sheets.

Int. Cl.⁴: F 01 D 17/00.

165102

A GAS TURBINE.

Applicant: THE DOW CHEMICAL COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF 2030 DOW CENTRE, ABBOTT ROAD, MIDLAND, MICHIGAN 48640, U.S.A.

Inventor: RICHARD E. ZACHARY.

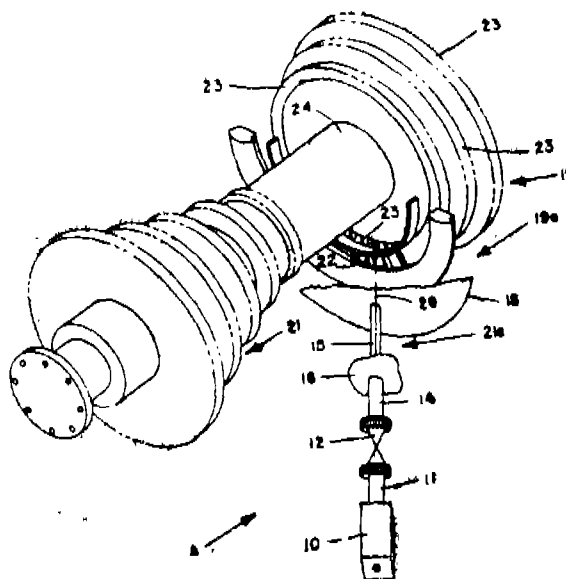
Application No. 419/Mas/85 filed June 7, 1985.

Appropriate Office for Opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Madras Branch.

11 Claims.

A gas turbine comprising an outer casing; a plurality of movable blades mounted on a shaft; at least one duct forming a passageway for hot gas; means for directing the hot gas against the movable blades, said means comprising a plurality of stationary gas-directing vanes and support means for the gas-directing vanes; a sight tube assembly including a sight tube positioned along a substantially straight pathway and extending through the outer casing and through a hot gas duct member, with the proviso that said sight tube does not penetrate said stationary gas-directing vanes or any other part of said turbine, said pathway providing a line of sight extend-

ing between the stationary vanes and directed at the movable blades, and means for sensing the temperature of the movable blades.



Com. Specn. 21 pages.

Drgs. 4 sheets.

Int. Cl.⁴: C 07 D 301/32.

165103

PROCESS FOR PREPARING—AN AQUEOUS SOLUTION OF ETHYLENE OXIDE FREE OF DISSOLVED GASES.

Applicant: ATOCHEM, A FRENCH BODY CORPORATE OF 12-16 ALLEE DES VOSGES 92400 COURBEVOIE HAUTS-DE-SEINE, FRANCE.

Inventor: HENRY NEEL, FRANCIS DELANNOY.

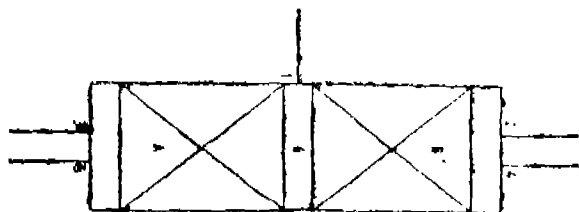
Application No. 424/MAS/85 filed 10th June 1985.

Appropriate Office for Opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Madras Branch.

3 Claims.

A process for preparing an aqueous solution of ethylene oxide free of dissolved gases which comprises contacting (i) an aqueous solution having a temperature from above ambient temperature to 80°C and containing up to 15% by weight of ethylene oxide and up to 0.5% by weight of dissolved gas, said gas comprising carbon dioxide and at least one other normally gaseous material which is oxygen, nitrogen, argon, methane, ethane or ethylene with (ii) water and (iii) one or more of the following gases; nitrogen, argon, methane, ethane and ethylene so as to effect removal of said dissolved gases, in a separation column having a mean absolute pressure from 1 to 20 bars and having an upper and a lower zone and up to 15 theoretical plates in each zone, said aqueous solution of ethylene oxide is added in between the said zones, said gas is added to the bottom of said lower zone at a flow rate of 0.05% to 10% by weight of the aqueous ethylene oxide solution fed, and said water is added to the top of the upper zone at a flow rate of 5 to 15% by weight the aqueous

ethylene oxide solution fed and recovering the aqueous solution of ethylene oxide free of dissolved gases from the bottom of said lower zone.



Com. Specn. 14 pages.

Drg. 1 sheet.

Int. Cl.⁴: C 07 C 31/20

165104

PROCESS FOR THE RECOVERY OF ETHYLENE GLYCOL IN CONCENTRATED FORM FROM GLYCOLATED WATER.

Applicant: ATOCHEM, A FRENCH BODY CORPORATE OF 12-16 ALLEE DES VOSGES, 92400 COURBEVOIE, HAUTS-DE-SEINE FRANCE.

Inventor: HENRY NEEL; FRANCIS DELANNOY.

Application No. 425/MAS/85 filed 10th June 1985.

Appropriate Office for Opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Madras Branch.

6 Claims.

A process for recovering ethylene glycol in concentrated form from glycolated water obtained from the bottom of an ethylene oxide desorption column during the manufacture of ethylene oxide by catalytic oxidation of ethylene by oxygen in the vapour phase, which comprises feeding said glycolated water directly to the top of a separation column having upto 12 theoretical plates; indirectly heating the glycolated water in the separation column in a conventional manner to form a first gaseous stream consisting essentially of steam which is removed from the top of the separation column, and a second aqueous stream containing from 40% to 90% by weight of ethylene glycol which is removed from the bottom of said separation column, the said separation column having a temperature range of from 109.5 to 154°C at the top and between 120.5°C to 180°C at the bottom.

Com. Specn. 13 pages.

Drg. 'NIL'.

Int. Cl.⁴: H 02 K 5/00.

165105

A HORIZONTAL AXIS DYNAMO ELECTRIC MACHINE.

Applicant: BBC BROWN BOVERI LTD., OF CH-5401, BADEN, SWITZERLAND, SWISS COMPANY.

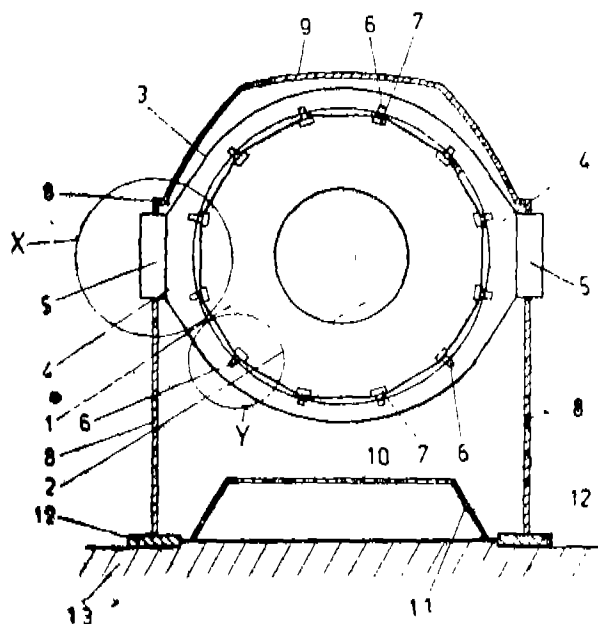
Inventor: HANS ZIMMERMANN.

Application No. 437/MAS/85 filed 12th June 1985.

Appropriate Office for Opposition proceedings (Rule 4, Patents rules, 1972) Patent Office, Madras Branch.

8 Claims.

A horizontal axis dynamo electric machine with at least two parallel bearing plates (3), vertical to the axis of the electrical machine and at a distance from each other, a stator laminated core (1) being supported in the bearing plates (3) and fixed by means of attachment wedges (6) in a casing (8, 9) wherein the bearing plate (3) are of annular design, in that the outer circumference of the annular bearing plates (3) each have on either side in the region of the horizontal plane of symmetry a vertically linear extension (4) for the support of the stator laminated core (1), in that the stator laminated core (1) is braced in the bearing plates (3) by means of attachment wedges (6) distributed over its entire circumference, and in that each bearing plate (3) is connected to the bottom casing section (8) of the electrical machine exclusively in the region of the horizontal plane of symmetry via an attachment part (5) in each case.



Com Specn. 10 pages.

Drgs. 4 sheets.

Int. Cl.⁴ C 01 B 33/02.

165106.

PROCESS FOR THE RECOVERY OF ELEMENTAL SILICON FROM A MIXTURE.

Applicant: AGIP S.p.A. A COMPANY ORGANIZED UNDER LAW OF THE ITALIAN REPUBLIC, OF P.LE E.MATTEI, 1 ROME, ITALY.

and

ANIC S.p.A. A COMPANY ORGANIZED UNDER LAW OF THE ITALIAN REPUBLIC, OF VIA RUGGERO SETTIMO, 55- PALERMO, ITALY.

Inventor: KENNETH MARTIN SANCIER; ANGEL SANJURIO; ROBERT MICHAEL EMERSON.

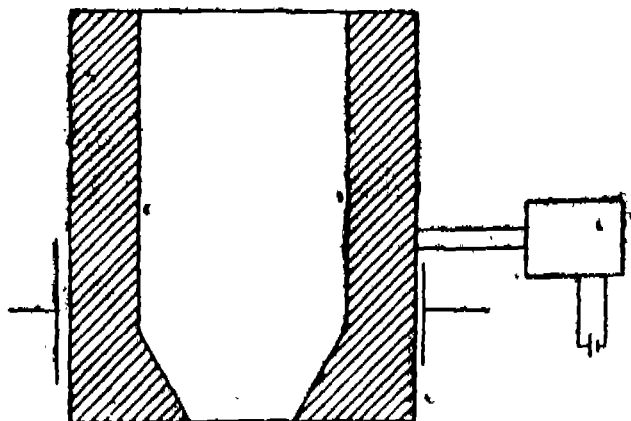
Application No. 438/MAS/85 filed 12th June 1985.

Appropriate Office for Opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Madras Branch.

7 Claims

Process for the recovery of elemental silicon from a mixture comprising silicon and sodium fluoride, obtained in the reduction of silicon tetrafluoride with sodium, comprising the steps of:

- (a) maintaining said mixture in a container at a temperature of 1000°C to 1400°C that liquefied part of the sodium fluoride but does not cause the silicon to exhibit any substantial flow properties;
- (b) removing at least 80% of the sodium fluoride by any known manner;
- (c) removing from said container with vibration at least 70% of the mixture from which a portion of the sodium fluoride has been removed;
- (d) recovering the elemental silicon from said mixture by aqueous leaching.



Com. Specn. 13 pages.

Drg. 1 sheet.

Int. Cl.4: C 01 B 33/02.

165107

AN APPARATUS FOR RECOVERING ELEMENTAL SILICON FROM THE PRODUCTS OF REDUCTION OF SILICON TETRAFLUORIDE WITH METALLIC SODIUM AND A PROCESS THEREOF.

Applicant: AGIP S.p.A., A COMPANY ORGANISED UNDER LAW OF THE ITALIAN REPUBLIC, OF P.I.E. MATTEI, 1-ROME, ITALY AND ANIC S.p.A., A COMPANY ORGANISED UNDER LAW OF THE ITALIAN REPUBLIC, OF VIA RUGGERO SETTIMO, 55-PALERMO, ITALY.

Inventor: ANGEL SANJURJO, KENNETH MARTIN SANCER.

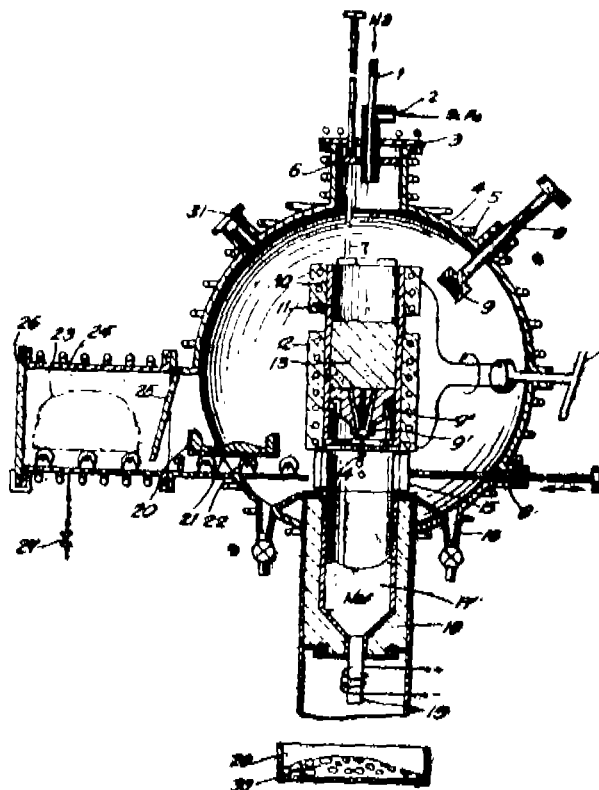
Application No. 440/MAS/85 filed 12th June 1985.

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

4 Claims.

An apparatus for recovering elemental silicon from the products of reduction of silicon tetrafluoride with metallic sodium which comprises an outer shell provided with cooling means; an internal reactor with a container having perforations of a diameter of 1mm to 1cm, means for feeding to said reactor a halide of silicon and metallic sodium; heating means for heating said reactor; inverting means for inverting said reactor in said outer shell; means to collect liquid halide

from the bottom of said reactor; means to collect and remove the reaction product from said reactor; a gas tight removal chamber for removal of reaction product and capping means to close said reactor.



Com. Specn. 19 pages.

Drgs. 2 sheets.

Int. Cl.4: C01G 21/20.

165108

PROCESS FOR THE MANUFACTURE OF TRI-AND TETRA-BASIC LEAD SULPHATES.

Applicant: GASOHOL ENERGY PTY. LTD., A COMPANY INCORPORATED UNDER THE LAWS OF THE STATE OF WESTERN AUSTRALIA, OF 234 GREAT EASTERN HIGHWAY, BELMONT, STATE OF WESTERN AUSTRALIA, AUSTRALIA.

Inventor: ALAN GURTIS PETERS; ALAN BARONS CROMPTON.

Application No. 578/MAS/85 filed 25th July 1985.

Convention dt. 27th July 1984 (No. PG6262; AUSTRALIA)

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

8 Claims.

A process for the manufacture of tri-and tetra-basic lead sulphates characterized by the steps of (1) reacting metallic lead with an aqueous solution containing between 5% and 50% by weight of acetic acid at a temperature between 50°C and 200°C under an atmosphere of oxygen of between 1 and 10 atmospheres absolute pressure to form lead acetate, then (2) reacting the lead acetate so formed with ammonia under an absolute pressure between 1 and 5 atmospheres at a temperature between 15°C and 100°C preferably

60°C to 90°C to precipitate lead oxides, then (3) adding to the lead oxides so precipitated, sulphuric acid in the stoichiometric amount to produce tri or tetra-basic lead sulphate, then (4) separating and drying the tri-or tetra-basic lead sulphate so formed.

(Com. Specn. 8 pages. Drg. 1 sheet).

Int. Cl.⁴: A24D 1/00.

165109

METHOD AND APPARATUS FOR MANUFACTURING CIGARETTES.

Applicant: Philip Morris Products Inc., a Virginia Corporation, of 3601 Commerce Road, Virginia 23234, U.S.A.

Inventor: DOUGLAS ELAM ALBERTSON; JAMES OSBORNE DYSON; EUGENE BARRY FISCHER; ROBERT TRIETSCH GAUDLITZ; LEWIS ALBERT HAWS; GUS DEMITRIOS KERITSIS; LOUIS LESS LONG; CHARLES SCOTT McCLUNG; JOSE GAMALIEL NEPOMUCANO; STEVEN RONALD WAGONER.

Application No. 580/MAS/85 filed 26th July 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

17 Claims.

A method for manufacturing cigarettes comprising forming a stream of tobacco into a tobacco rod, enclosing the rod in a wrapper and applying to the tobacco an additive selected from adhesives, film forming or cross linking agents, binders, burn additives, casings or flavours, such as herein described, characterized in that the additive is applied in the form of a liquid additive foam so that the foam permeates the tobacco and the additive is dispersed throughout the tobacco.

(Com. Specn.—19 pages. Drg. 8 sheets).

Int. Cl.⁴: 24D 5/00.

165110

A GRINDING MACHINE.

Applicant: INDIAN INSTITUTE OF TECHNOLOGY, I.I.T.P.O., MADRAS 600 036, TAMIL NADU, INDIA. AN AUTONOMOUS BODY SET UP BY THE GOVERNMENT OF INDIA UNDER AN ACT OF PARLIAMENT.

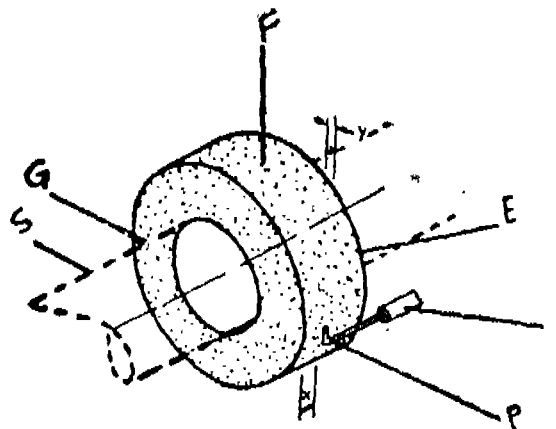
Inventor: PROF. VASUDEVAN PILLAI RADHAKRISHNAN, BETTADAPURA TIMMAPPAIAH ACHYUTHA.

Application No. 581/MS/85 filed 29th July 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

2 Claims.

A grinding machine comprising a grinding wheel, rotatably fast-mounted on a drive-shaft supported on the body of the machine, the said body having mounted thereon a calibrated air pressure sensor provided with a pressure probe spaced from the grinding face of the wheel, the spacing between the probe and the grinding face of the wheel being predetermined by the air pressure generated near the said grinding face; during rotation of the grinding wheel, and the calibration of the said sensor,



(Com. Specn.—7 pages. Drg. 1 sheet).

Int. Cl.⁴: C07C 31/02.

165111

A PROCESS FOR THE RECOVERY OF A LOW MOLECULAR WEIGHT ALCOHOL FROM AN AQUEOUS FERMENTATION MEDIUM CONTAINING NO MORE THAN 40% BY VOLUME OF THE ALCOHOL.

Applicant: A PACE RESEARCH LIMITED, A COMPANY INCORPORATED UNDER THE LAWS OF THE STATE OF NEW SOUTH WALES, OF C/HAWKESBURY AGRICULTURAL COLLEGE, RICHMOND, NEW SOUTH WALES, AUSTRALIA.

Inventor: RUSSELL ROBERT REEVES.

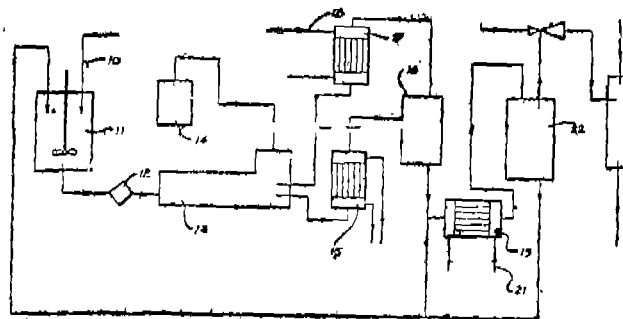
Application No. 602/MAS/85 filed 2nd August 1985.

Convention dated 22nd August 1984 (No. PG 6711; AUSTRALIA)

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

8 Claims.

A process for the recovery of a low molecular weight alcohol as herein before defined from an aqueous fermentation medium containing no more than 40% by volume of the alcohol, comprising dissolving in the fermentation medium at least 26 grams/100 ml of fermentation medium of a base or basic salt or mixtures thereof, the conjugate acid of which as a pKa of above 6 and which salt has a solubility of at least 26 grams/100 ml of fermentation medium and is substantially more soluble in water than in the alcohol, to form (a) an alcohol rich phase; (b) an alcohol poor salt rich phase; and (c) a solid phase of flocculated particles originally dissolved in the fermentation medium, recovering the alcohol rich phase and the solid phase separately.



(Com. Specn.—18 pages. Drg. 1 sheet).

Int. Cl.⁴: F24J 2/02.

165112

SOLAR HEATED COOKING SYSTEM.

Applicant : STIRLING TECHNOLOGY INC., 9, FACTORY STREET, ATHENS, OHIO 45701, U.S.A., A COMPANY INCORPORATED IN OHIO, U.S.A.

Inventor : BRUCE JON CHAGNOT,

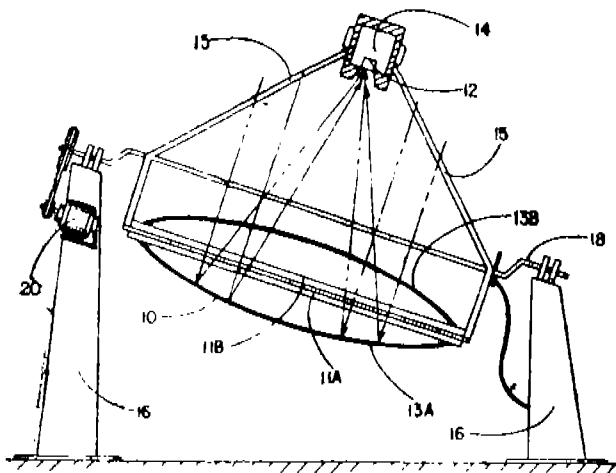
Application No. 489/MAS/85 filed 28th June 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

10 Claims.

A solar heated cooking system comprising (a) a solar collector for focussing the solar radiation, the said solar collector having at least two portable heat storage units each said unit comprising a heat storage mass of suitable material such as metallic sodium or aluminium encased in an insulated jacket, the said jacket capable of withstanding temperatures exceeding 200°C and having at least one port;

(b) a first adjustable support means for supporting a first heat storage unit in the solar collector so as to focus the solar radiation from the solar collector incident upon the storage mass, a second support means for removably supporting the second portable heat storage unit, the first and the second heat storage units being connected through a heat flow means incorporating a valve for transferring the heat stored in the first storage unit to second storage unit and for controlling the said heat transfer.



(Com. Specn.—14 pages. Drg. 4 sheets).

Int. Cl.⁴: F16L 37/02.

165113

A QUICK CONNECT COUPLING SUCH AS USED FOR CONNECTING TUBES OR HOSES CARRYING FLUIDS AND THE METHOD OF MAKING IT.

Applicant : STRATOFLEX, INC., OF 220 ROBERTS CUT-OFF, PO BOX 10398, FORT WORTH, TEXAS 76114, U.S.A., A CORPORATION OF THE STATE OF TEXAS, U.S.A.

Inventor : GERRARD NELSON VYSE,

Application No. 496/MAS/85 filed 1st July 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents rules, 1972) Patent Office, Madras Branch.

11 Claims.

A quick connect coupling such as used for connecting tubes or hoses carrying fluids comprising :

(a) an outer receptacle means having an internal opening and an annular outer groove formed in the inner surface of said opening;

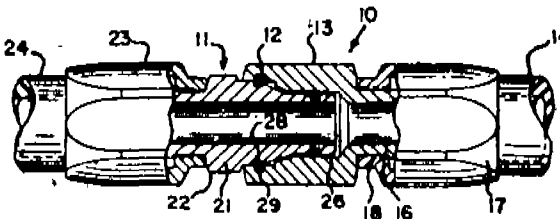
(b) an inner insert means having an annular inner groove formed in the outer surface thereof;

3—207 GI/89

(c) said receptacle means being adapted to be assembled with said insert means in a position where said insert means is in said opening and said inner and outer grooves are substantially radially aligned;

(d) an expandable ring positioned in said outer groove prior to said assembly and extending between said inner and outer grooves after said assembly; and

(e) a fluid at least partially filling said outer groove around said ring, said fluid being sufficiently viscous to substantially hold said ring against movement in said outer groove prior to said assembly.



(Com. Specn.—17 pages. Drg. 2 sheets).

Int. Cl.⁴: B 62 K 27/00.

165114

TRAILER FOR A TWO-WHEELED VEHICLE.

Applicant & Inventor : ALOISIUS THEODORUS ELISABETH TESTROET, A CITIZEN OF FEDERAL REPUBLIC OF GERMANY, OF NELKENSTRASSE 19A, GERMERING, 8034, FEDERAL REPUBLIC OF GERMANY.

Application No. 500/MAS/85 filed 2nd July 1985.

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

5 Claims.

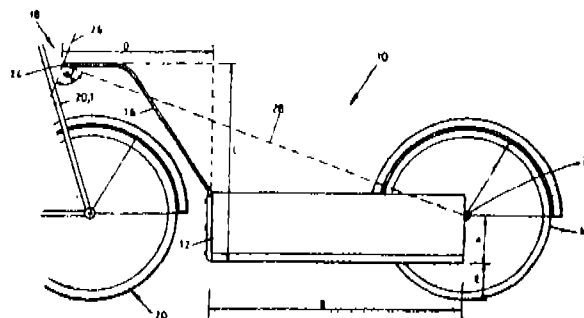
A trailer for a two-wheeled vehicle comprising a body member capable of carrying a load and having a front end and a rear end, a wheel mounted for rotation about a substantially horizontal axis at the rear end of the body member, a connection member at the front end of the body member extending generally upwardly and forwardly of the body member and provided at its upper end, with means for coupling the trailer to a draught vehicle, which coupling means permits pivotal movement between the trailer and a draught vehicle about a first axis which is substantially horizontal and a second axis which is substantially perpendicular to the first axis, wherein the following ratios between the lengths indicated by 'A', 'B', 'C', 'D' and 'E' in figure 1 of the accompanying drawings apply :—

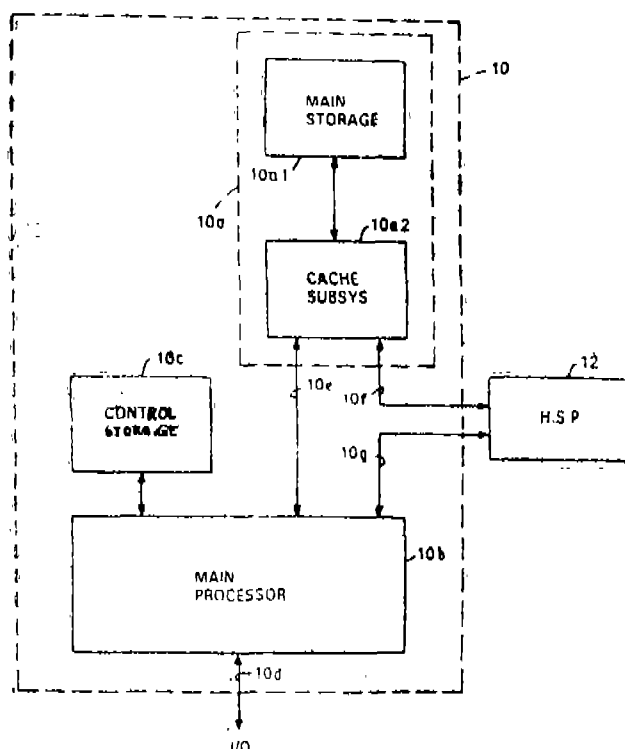
(i) the ratio A : B is between 1 : 4 and 1 : 6,

(ii) the ratio A : C is between 1 : 3 and 1 : 4,

(iii) the ratio A : D is not greater than 1 : 3, and

(iv) the ratio E : A is between 1 : 1.3 and 1 : 1.7.





Com. Specn. 10 pages.

Drg. 2 sheets.

Int. Cl. G 06 F, 1/00.

165115

A PROCESSING SYSTEM FOR USE IN A COMPUTER.

Applicant: INTERNATIONAL BUSINESS MACHINES CORPORATION, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA, OF ARMONK, NEW YORK, 10504, UNITED STATES OF AMERICA.

Inventors: (1) CHUCK HONG NGAI AND EDWARD RICHARD WASSEL.

Application No. 505/MAS/85 filed July 3, 1985.

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

9 Claims.

A processing system, for use in a computer, for executing a set of instructions, which set of instructions includes a first subset of instructions which are relatively easy to execute in hardware and are relatively frequently executed and a second subset of instructions which are relatively difficult to execute in hardware and are relatively infrequently executed,

said processing system including a first processing means for executing said first subset of instructions and a second processing means, connected to said first processing means for executing said second subset of instructions,

said first processing means comprising

first storage means for storing an instruction,

decode control means connected to said first

storage means and to said second processing means for decoding an instruction stored in said first storage means and for determining if said stored instruction falls within the first subset of instructions or within the second subset of instructions, and

an output signal generator in said decode control means for generating a first output signal when said stored instruction falls within said first subset of instructions and for generating a second output signal when said stored instruction falls within said second subset of instructions, and

said second processing means comprising

means, operating in response to the receipt of said second output signal, for executing said stored instruction, and

means, operating in response to the receipt of said first output signal, for preventing said second processing means from executing said stored instruction.

Com Specn. 30 pages.

Drg. 6 sheets.

Int. Cl.—B01J21/06

165116

A PROCESS FOR THE PREPARATION OF ACTIVATED CATALYST

Applicant: SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., A NETHERLANDS COMPANY, OF CAREL VAN BYLANDLAAN 30, 2596 HR THE HAGUE, THE NETHERLANDS.

Inventor: MARTIN FRANCISCUS MARIA POST.

Application No. 508/Mas/85 filed July 3, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

10 Claims. No drawing

A process for preparation of activated catalyst characterised in that a catalyst which comprises 3-60 pbw of cobalt and 0.01-100 pbw of at least one other metal chosen from zirconium, titanium and chromium per 100pbw of silica, alumina or silica-alumina, and which has been prepared by kneading and/or impregnation is contacted at a temperature between 200 and 350° C with hydrogen or a hydrogen-containing gas at a hydrogen partial pressure between 0.001 and 75 per bar and at a space velocity of 500-10000 NL-1h-1, and that during the activation, the hydrogen partial pressure is increased gradually or step-wise from an initial value $(PH_2)_a$ to an ultimate value $(PH_2)_u$ in such a manner as to satisfy the relation $(PH_2)_u > 5x(PH_2)_i$ wherein the said catalyst satisfies the relation $(3 + 4R) > L > (0.3 + 0.4R)$, wherein

L = the total quantity of cobalt present on the catalyst expressed as mg Co/ml,

Si = the internal surface area of the catalyst, expressed as m²/ml, and

R = the weight ratio between the quantity of cobalt which has been deposited on the catalyst by kneading and the total quantity of cobalt present on the catalyst.

(Com.—16 pages)

Int. Cl.⁴: B 65 D 90/00.

165117

A METHOD OF REFABRICATING LARGE FIBRE REINFORCED PLASTIC STORAGE TANKS WHEN DAMAGED, AND SUCH STORAGE TANKS SO REFA-BRICATED.

Applicant: COROMANDEL PRODORITE LIMITED, TIAM HOUSE, 28 RAJAJI ROAD, MADRAS 600 001, TAMIL NADU, INDIA, A COMPANY DULY ORGA-NISED AND EXISTING UNDER THE LAWS OF THE UNION OF INDIA.

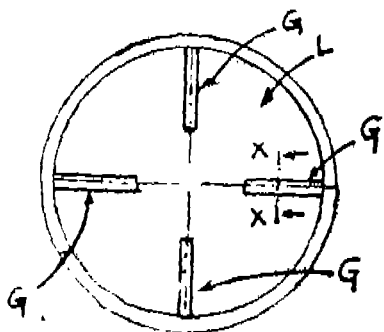
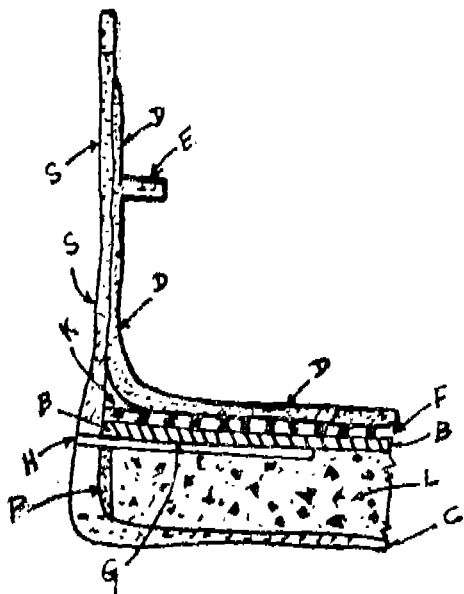
Inventor: REGHUPATHI SRINIVASAN.

Application No. 511/MAS/85 filed 4th July 1985.

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

5 Claims.

A method of refabricating large FRP storage tanks, when damaged, comprising the steps of covering the base of the tank on its interior with a layer of cement concrete after providing a lateral non-adhesive barrier, such as a polyethylene film, around the interior of the shell of the tank; providing a plurality of radial grooves or weep channels on the top surface of the said layer, the said grooves or weep channels extending between points at or near the centre of the said surface and the said shell; boring a plurality of holes on the shell equal to the number of the said grooves or weep channels, the holes being aligned with the said grooves; providing epoxy screeding on the top surface of the said layer, along the contour of the grooves or weep channels without plugging the same; placing a polyester film on the screed and forming a perimetral knuckle with epoxy screed all around against the interior of the shell and over the perimeter of the polyester film; and laying FRP laminate on the polyester film and knuckle the laminate extending upwardly along the interior of the shell to part of its height and forming a bond therewith.



Com. Specn 9 Pages.

Drg. 2 sheets.

Int. Cl.⁴: F 27 B 1/14.

165118.

AN IMPROVED HIGH-CARBON FERROCHROMIUM SMELTING PROCESS.

Applicant & Inventor: NORRIS B. McFARLANE, OF 101 WORTH AVENUE, PALM BEACH, FLORIDA, U.S.A., A CITIZEN OF THE U.S.A.

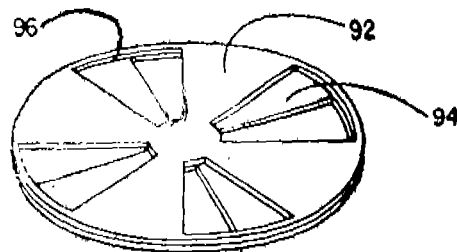
Application No. 514/Mas/85 filed July 4, 1985.

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

8 Claims. No drawing.

In a high-carbon ferrochromium smelting process in which chromitite is smelted in a smelting furnace, a mixture of molten ferrochromium metal and slag from the smelting furnace is received in a first vessel, and molten slag is removed from molten metal in the first vessel and received in to a second vessel, the improvement therein comprising the steps of:

- retaining the molten slag in the second vessel for a sufficient time to form a non-flowable solidified lining of slag on the inside wall surfaces of the second vessel;
- removing flowable molten slag from the central portion of the second vessel while retaining the lining of solidified slag on the inside wall surfaces thereof, and
- thereafter employing the second vessel containing the solidified slag lining as a refractory to receive high temperature material in a high temperature processing operation.



Com. Specn 13 pages.

Int. Cl.⁴ B 04 B 3/10.

165119

SEPARATOR FOR SORTING PARTICULATE MATERIAL.

Applicant: F. L. SMIDTH & CO. A/S, A DANISH COMPANY, OF 77, VIGERSLEV ALLE, DK-2500 VALBY, COPENHAGEN, DENMARK.

Inventor: JAN FOLSBERG.

Application No. 542/Mas/85 filed July 15, 1985.

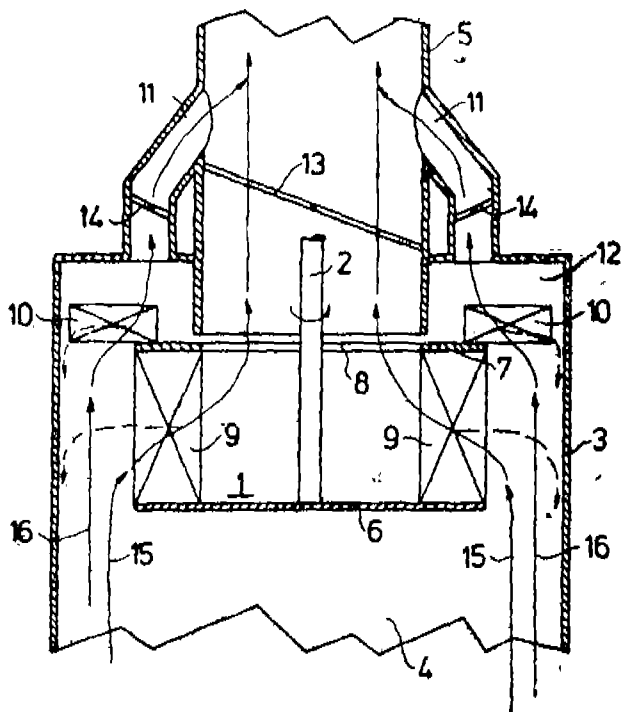
Convention date: August 13, 1984; (No. 8420566; United Kingdom).

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

7 Claims.

A separator for sorting particulate material suspended in a conveying gas into a fine fraction and a coarse fraction, the separator comprising a rotor (1) with vanes and a housing (3) encasing the rotor and having an inlet duct (4) leading to one end of the rotor for the supply of unsorted material and an outlet duct (5) leading from the other end of the rotor for discharging the separated fine fraction, characterized

in that the rotor comprises at least two sets of vanes (9, 10) with different separation sharpness and cut size, and flow control dampers (13, 14, 18) are provided for regulating the relative proportions of conveying gas through the different rotor vane sets.



Com. Specn. 9 pages.

Drg. 3 sheets.

Int. CLASS¹: H 04 H 5/91

165120

VIDEO SIGNAL PROCESSING APPARATUS FOR PROCESSING VIDEO SIGNALS AT THE TIME OF A SPECIAL REPRODUCTION MODE.

Applicant: VICTOR COMPANY OF JAPAN, LTD., NO. 12, 3-CHOME, MORIYA-CHO, KANAGAWA-KU, YOKOHAMA-SHI, KANAGAWA-KEN, JAPAN, NATIONALITY JAPAN.

Inventors: (1) KOHEI SASAMURA AND (2) JUN-SUKE TOKUMITSU.

Application No. 544/Mas/85 filed July 16, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims

A video signal processing apparatus for processing a video signal at the time of a special reproduction mode in which a reproduced video signal is obtained by demodulating a frequency modulated signal reproduced from pre-recorded tracks on a recording medium, said recording medium being moved during said special reproduction mode at such a speed that a relative speed between a reproducing element and said recording medium is different from that at the time of recording so that the envelope level of the reproduced frequency modulated signal is greater than predetermined level during a time period which is one track scanning period before a time period in which the envelope level of the frequency modulated signal reproduced from an arbitrary track as smaller than said predetermined level, said video signal processing apparatus comprising:

and analog-to-digital converter for converting a video signal reproduced from said recording medium into a first digital video signal;

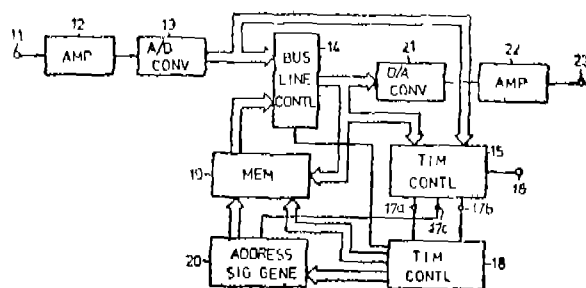
a memory at least having a memory capacity for storing said first digital video signal corresponding to one field;

switching means for selectively producing said first digital video signal or a second digital video signal read out from said memory;

first timing control means supplied with said first and second digital video signals and a detection signal which indicates a specific time period in which the envelope level of the frequency modulated signal becomes smaller than said predetermined level for at least generating first and second pulse signals, said first pulse signal having a pulse width corresponding to a predetermined time period made up of the specific time period and a constant time period in a vicinity of the specific time period, said second pulse signal being generated by detecting a relative phase difference between horizontal synchronizing signals of said first and second digital video signals within said constant time period and determining a read-out timing of said memory so that the phase difference decreases;

second timing control means supplied with said first and second pulse signals for causing a read-out from said memory, causing said switching means to selectively produce said second digital video signal, and controlling a read-out timing of said memory by a signal based on said second pulse signal during a first time period approximately corresponding to a pulse width of said first pulse signal, and for causing said switching means to selectively produce said first digital video signal and causing a write-in of said first digital video signal into said memory during a second time period other than said first time period; and

a digital-to-analog converter for subjecting said first or second digital video signal produced from said switching means to a digital-to-analog conversion so as to obtain a reproduced composite video signal.



Compl. specn 50 pages

Drg. 8 sheets

Int. CLASS¹: F 01 K 25/00

165121

AN IMPROVED SYSTEM FOR GENERATING ELECTRICAL ENERGY.

Applicant & Inventor: ALEXANDER ISAI KALINA, A CITIZEN OF THE UNITED STATES OF AMERICA, OF 12214 CLEARFORK, HOUSTON, TEXAS 77077, UNITED STATES OF AMERICA.

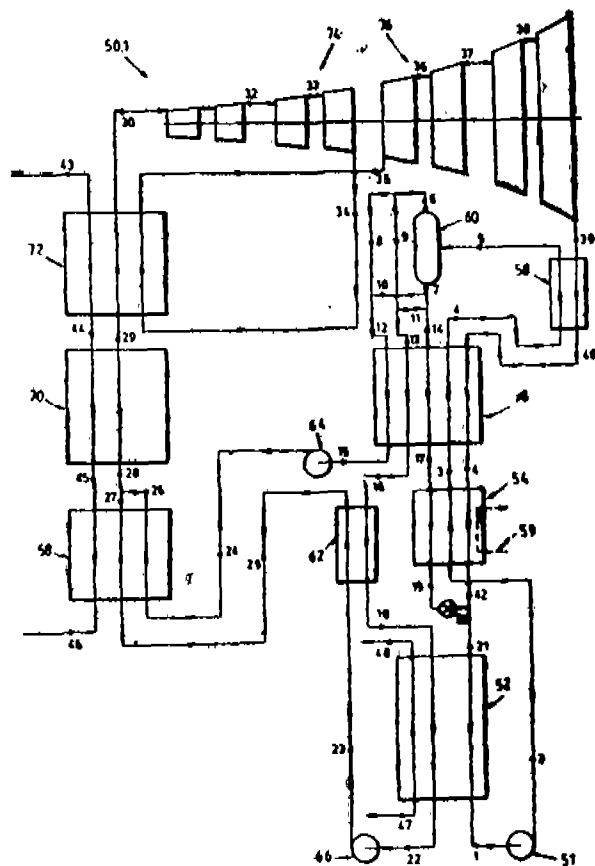
Application No. 571/Mas/85 filed 24th July 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

An improved system for generating electrical energy which comprises connected in sequence :

- (a) a distillation unit for distilling at least a portion of an initial composite stream having higher and lower boiling components to generate an enriched vapour fraction;
- (b) a separator unit for separating the enriched vapour fraction and a stripped liquid fraction;
- (c) mixing means for mixing the enriched vapour fraction with a part of the stripped liquid fraction and absorbing it therein to produce at least one rich working fluid fraction and lean working fluid fraction;
- (d) condensing unit for condensing the rich and lean working fluids;
- (e) pumping means for increasing the pressure of the rich and lean working fluids to a charged high pressure level;
- (f) a first evaporator unit to heat the lean working fluid to its boiling point and to evaporate at least a part of rich working fluid;
- (g) mixing means for mixing the rich and lean working fluids to form a composite working fluid;
- (h) a second evaporator unit for heating the composite working fluid into charged composite working fluid;
- (i) a super heater unit for superheating the charged composite working fluid;
- (j) turbine unit for expanding the superheated composite working fluid to generate electrical energy.



Compl. specn. 32 pages

Drq. 5 sheets

Int. CLASS: C04B 41/14; B32B 15/04

165122

PROCESS FOR METALLIZING ARTICLE.

Applicant : KOLLMORGEN TECHNOLOGIES CORPORATION, A CORPORATION ORGANISED THE EXISTING UNDER THE LAWS OF THE STATE OF TEXAS, HAVING A PLACE OF BUSINESS AT 717 NORTH HARWOOD STREET, SUITE 1000, LOCK BOX 67, DALLAS, TEXAS 75201, U.S.A.

Inventors : MICHAEL ALBERT DELUCA & JOHN FRANCIS MCCORMACK.

Application for Patent No. 457 Del/84 filed on 4th June, 1984.

Appropriate office for opposition proceedings (Rule 4, Patent Rule, 1972), Patent Office Branch, New Delhi-110005.

14 Claims

A process for metallizing ceramic article such as printed circuit board which includes treating the surface to adherently receive metal and depositing metal on the treated surface, the improvement which comprises treating the surface with a melt comprising one or more alkali metal compounds to adhesion promote or etch the surface :

and subsequently applying to said surface an adsorption promoter selected from the group consisting of ethoxylated non-ionic compounds and nitrogen-containing compounds, said nitrogen-containing compounds being selected from the group consisting of quarternary compounds, amine oxides, alkanolamines, amides, betaines, amino acids and guanidine derivatives, in an amount 10 mg per liter or more and at a pH which will promote adsorption of catalyst for metal deposition on the surface and eliminate bare spots in an adherent metal layer formed on the surface or selected parts thereof, thereafter sensitising or catalysing the said surface with a catalyst such as herein described;

and subjecting to treatment at least once the thus treated surface or selected parts of said surface in a metal depositing bath solution such as herein described to form one or more uniform metal layers on said surface or selected parts thereof.

Compl. specn. 34 pages.

Int. Cl.4 : B65G 53/04; C21B 7/09, 7/16 & F27D 3/00

Title : "A BOTTLE DISTRIBUTOR PROVIDING SUBSTANTIALLY EQUAL DISTRIBUTION OF PARTICULATES TO A MULTINLET RECEIVER"

Applicant: ARMCO INC., a corporation of the State of Ohio, U.S.A., of 703 Curtis Street, Middletown, Ohio 45403, U.S.A.

Inventor : JOHN HICE SCHEEL.

Application for Patent No. 483/DEL/84 Filed on 13th June, 1984.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972), Patent Office Branch, New Delhi-110 005.

(Claims.—2)

A bottle distributor providing substantially equal distribution of particulates to a multinlet receiver and particularly for conveying pulverized coal or the like to a blast furnace having a plurality of inlets, comprising:

(a) a longitudinally extending right hollow cylinder closed at the upper and lower ends thereof;

(b) a centrally disposed particulate inlet in said lower end permitting particulates to enter the interior of said cylinder and wherein said cylinder permits unchanneled flow of particulates;

(c) a conical insert contiguous with said lower end having a central opening aligned with said inlet and a surface extending angularly therefrom to the wall of said cylinder;

(d) a plurality of generally equiangularly disposed outlets intermediate said upper and lower ends and each of said outlets connected with by means of tuyeres to an inlet of said receiver for permitting particulates to be conveyed from said cylinder to said receiver;

(e) characterized in that the distributor has a predetermined size for providing a predetermined distribution deviation wherein the distance between said distributor outlets and the top of said insert in said distributor being of a predetermined value H, the internal diameter of said distributor having a value D, H and D being interdependent on each other and the velocity of said moving fluid having a predetermined value V depending upon H and D, and the diameter of said outlets being substantially equal to the diameter of said tuyeres, so that

$$0.123519 + 0.042624X -$$

$$0.056494 Y + 0.001738145Z - 0.024970XY + 0.008364605 XZ$$

$$0.09806324 YZ + 0.015736X^2 + 0.023791 Y^2 + 0.018989 Z^2$$

where $X = H - 19.125$

$$Y = \frac{D - 17.25}{6.0} \quad \text{and} \quad V - 80$$

provides said predetermined deviation of from about 0% to less than 4%

Complete Specification 16 Pages Drawing Sheet- 1

Int. CLASS¹: F24C 5/12

165124

A KEROSENE WICK STOVE.

Applicant: NIKY TASHA INDIA PVT. LIMITED, OF E-1 & 2 MAHAJAN HOUSE, NDSE, NEW DELHI, INDIA AN INDIAN COMPANY.

Inventors: RITU NANDA AND LADU RAM CHOUDHARY.

Application for Patent No. 731/Del/84 filed on 18th September, 1984.

Complete Specification left on 18th December, 1985.

Appropriate office for opposition proceedings (Rule 4, Patent Rule, 1972), Patent Office Branch, New Delhi-110005.

3 Claims

A single burner kerosene wick stove comprising a fuel tank, a burner assembly comprising:

a burner head and an inner and outer perforated sleeve disposed in a spaced relationship to each other so as to allow the flow of secondary air;

a wick assembly and an actuating member for raising or lowering of the wick or wicks characterized in that said burner has an outer cabinet with a front hinged door;

a handle provided on said door;
an opening provided on said front door to allow the shaft of the said actuating member to pass there-through, and a plurality of slots or openings provided on at least two of said walls of the cabinet to allow the introduction of air;

said burner assembly having a casing within which the said inner and outer sleeves are located, the said casing and the sleeves being secured together by pins and flynuts and a flame deflector fitted on the top of the said inner sleeve.

Compl. specn. 9 pages

Drg. 4 sheets

Int. CLASS¹: B01D 13/04

165125

A METHOD FOR PREPARING SEMIPERMEABLE MEMBRANE HAVING IMPROVED PROPERTIES FOR ULTRAFILTRATION.

Applicant: SYRINX RESEARCH PTY. LTD., AN AUSTRALIAN COMPANY OF LEVEL 66, M.I.C. CENTRE, MARTIN PLACE, SYDNEY, NEW SOUTH WALES 2000, AUSTRALIA.

Inventor: MICHAL SERGE MAXINE, LEFEBVRE.

Application for Patent No. 831/Del/85 filed on 8th October, 1985.

Appropriate office for opposition proceedings (Rule 4, Patent Rule, 1972), Patent Office Branch, New Delhi-110005.

8 Claims

A method for preparing a semi-permeable membrane having improved properties for ultrafiltration which comprises:

- (i) providing a macroporous substrate;
- (ii) deposition on said substrate a liquid-containing gel-layer, said gel comprising a multivalent ion such as herein described; and
- (iii) removing in a manner as herein described the liquid from said gel layer to produce on said substrate a microporous microskin having a surface of Fractal geometry, said microskin being reticulated at a molecular level and comprising an ordered arrangement of absorption/repulsion sites of at least three different energy levels for molecules being retained, the spacing between said absorption and repulsion sites being of the same order of magnitude as the mean free path of Brownian motion of molecules being retained.

Compl. specn. 16 pages

Drg. 6 sheets

Int. CLASS¹: B67C 3/26; B65D 47/06

165126

POURING-CUM-CLOSURE ASSEMBLY FOR A CONTAINER.

Applicant: COLGATE-PALMOLIVE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, OF 300 PARK AVENUE, NEW YORK, NEW YORK-10022, UNITED STATES OF AMERICA.

Inventors: KLAUS-PETER HOFMANN AND HARALD PRAHS.

Application for Patent No. 861/Del/85 filed on 16th October, 1985.

Appropriate office for opposition proceedings (Rule 4, Patent Rule, 1972), Patent Office Branch, New Delhi-110005.

8 Claims

A pouring-cum-closure assembly for a container comprising :

a cup-shaped pouring insert fixed tightly into the neck of said container so as to reduce the cross-section of said neck to one tenth or less its original area, said cupshaped insert consisting of a base and peripheral side walls extending upwards from said base; and

a cup-saped dosing cap for closing said container characterised in that said insert is located within said container with its base at a level lower than its upper end and with at least three uniformly distributed openings provided circumferentially within the cup-shaped construction of said insert, said openings extending through said side walls and into said base and in that the walls of said dosing cap extend into said cup-shaped insert when said container is closed by said dosing cap, said dosing cap being provided with screw-threaded means for securing it to said container or to said pouring insert.

Compl. specn. 12 pages

Drg. 2 sheets

Int. CLASS¹ : C08F 2/00; B01J 19/00

165127

A PROCESS FOR COATING POLYMERISATION REACTION VESSEL.

Applicant : THE B.F. GOODRICH COMPANY, A NEW YORK CORPORATION, OF 500 SOUTH MAIN STREET, AKRON, OHIO 44318, UNITED STATES OF AMERICA.

Inventor : LOUIS COHEN.

Application for Patent No. 867/Del/85 filed on 16th October, 1985.

Appropriate office for opposition proceedings (Rule 4, Patent Rule, 1972), Patent Office Branch, New Delhi-110005.

7 Claims

A process for coating a polymerisation reaction vessel on its internal surfaces to reduce or prevent polymer build-up on said surfaces, which process comprises coating said surfaces with an anionic, water-soluble carboxyl-containing copolymer, wherein said copolymer contains from 30 to 80 mole per cent of residues equivalent to olefinically unsaturated monocarboxylic acids and from 70 to 20 mole per cent of residues equivalent to at least one copolymerisable vinylidene comonomer having at least one terminal $>CH_2$ group.

Compl. specn. 33 pages

Drg. 1 sheet

Int. CLASS¹ : C07C 31/08

165128

A METHOD OF MANUFACTURING ETHANOL FROM A FERMENTABLE SUBSTRATE.

Applicant : AMOCO CORPORATION, A CORPORATION OF THE STATE OF INDIANA, U.S.A., OF 200 EAST RANDOLPH DRIVE, CHICAGO, ILLINOIS 60601, UNITED STATES OF AMERICA.

Inventors : JOHN JONGIN JOUNG, CAVIT AKIN AND GARFIELD PAUL ROYER ROYER.

Application for Patent No. 913/Del/85 filed on 31st October, 1985.

Appropriate office for opposition proceeding (Rule 4, Patents Rules, 1972) Patent office Branch, New Delhi-110005.

10 Claims

A method of manufacturing ethanol from a fermentable substrate such as herein described, said process comprises the step of :

mixing a biocatalytic entity such as herein described with the reaction product of a homogeneous dispersion of an anionic polysaccharide polymer as herein described with a cationic polymer as herein described to form a polymer-biocatalyst dispersion;

mixing said polymer biocatalyst dispersion with an oil phase as herein described to form beads; contacting

said bead with the fermentable substrate and recovering ethanol in a manner known per se.

Compl. specn. 25 pages

Drg. 1 sheet

Int. CLASS¹ : B65D 30/02

165129

A PAPER SYNTHETIC COMPOSITE BAG.

Applicant : NATIONAL COUNCIL FOR CEMENT & BUILDING MATERIALS, M-10, SOUTH EXTENSION, PART-II, RING ROAD, NEW DELHI-110049, INDIA, AN INDIAN ORGANISATION REGISTERED UNDER SOCIETIES ACT.

Inventor : JAYANA DATTATRAYA BAPAT.

Application for Patent No. 934/Del/85 filed on 8th November, 1985.

Complete specification left on 2nd February, 1987.

Appropriate office for opposition proceeding (Rule 4, Patents Rules, 1972) Patent office Branch, New Delhi-110005.

7 Claims

A paper synthetic bag comprising at least one sheet of paper and a material consisting of a polymer such as polypropylene or polyethylene, a gusset provided along the two sides of said bag, said sheets being in a non adhering relationship to each other, a valve at an upper corner of said bag.

Provisional specification 4 pages

Compl. specn. 7 pages

Drg. 1 sheet

Int. CLASS¹ : B67D 5/30; B65D 83/14

165130

UNITARY INTEGRAL REAGENT CONTAINER AND DISPENSER APPARATUS.

Applicant : TECHNICON INSTRUMENTS CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF STATE OF NEW YORK, U.S.A., OF 511 BENEDICT AVENUE, TARRYTOWN, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventor: JOHN LAUREN SMITH AND VITO FRANK CHRISTIANO.

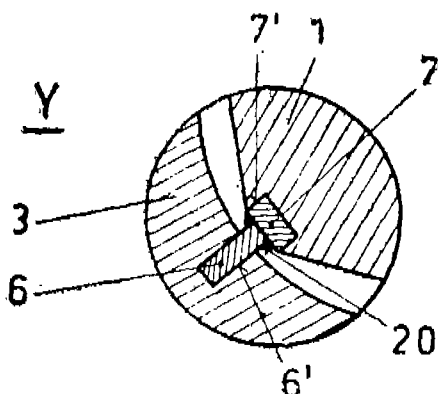
Application for Patent No. 687/Del/86 filed on 29th July, 1986.

Divisional to Application No. 742/Del/83 filed on 8th November, 1983.

Appropriate office for opposition proceeding (Rule 4, Patents Rules, 1972) Patent office Branch, New Delhi-110005.

7 Claims

A unitary integral reagent container and dispenser apparatus, including at least one reagent well having a first opening for withdrawal of liquid reagent from said well therethrough, and second opening for introduction of liquid reagent into said well, at least one reagent reservoir for containing a supply of liquid reagent, the or each reservoir co-operating with a respective reagent well for supply of reagent thereto and to maintain (in use) a standing level of liquid reagent in well, means for repeatedly releasing a controlled amount of reagent liquid from the or each reservoir through a passage between the reservoir and its respective well to introduce the said controlled amount of reagent liquid into said respective well through its said second opening to replenish the well after withdrawal of liquid reagent therefrom, and a yoke for centrally positioning a lens of immiscible liquid on the reagent liquid surface in the or each well.



Compl. specn. 22 pages

Drg. 5 sheets

Int. CLASS⁺ : B 32 B 15/04; C 04 B 41/51; 165131
05K3/02.

A METHOD FOR THE MANUFACTURE OF PRINTED CIRCUIT PATTERNS.

Applicant : KOLLMOGEN TECHNOLOGIES CORPORATION, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF TEXAS, HAVING A PLACE OF BUSINESS AT 717 NORTH HARWOOD STREET, SUITE 1000, LOCK BOX 67, DALLAS, TEXAS 75201, U.S.A.

Inventors : MICHAEL ALBERT DEIUCA AND JOHN FRANCIS MCCORMACK.

Application for Patent No. 227/Del/87 filed on 18th March, 1987.

Divisional to Application No. 456/Del/84 filed on 4th June, 1984.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110005.

11 Claims

A method for the manufacture of printed circuit patterns by partially or completely coating a ceramic article with a layer directly and securely bonded to the surfaces of said article comprising at least the following steps :

treating the surface of the ceramic article with a melt comprising one or more alkali metal compound(s); and

exposing said surface to a solution having an acidity of at least 0.001 molar in hydrogen ions (PH 3) and comprising one or more halides selected from chlorides, bromides and iodides in a amount between 1.2 and 12 moles halide of groups VIII and Ib of the periodic table of elements, and sufficient to promote uniform and secure adsorption of precious metal species rendering said surface receptive for metal depositions treating said exposed surface with a catalyzing solution of the kind as herein described;

exposing the thus treated surface or selected parts thereof to a metal plating bath solution for depositing the desired metal on said surface thus forming a substantially completely uniform, defect-free deposit of at least 0.2 M, and preferably 2 M, and securely bonded to the ceramic article, and thereafter;

coating in a manner known per se the surface of the ceramic article completely with the said metal and removing portions of said coating in a later step thus forming the conductors of a printed circuit pattern.

Compl. specn. 36 pages.

Int. CLASS⁺ : G 09 G 1/16

165132

APPARATUS FOR GENERATING BORDERLINES TO A SELECTED AREA OR WINDOW OF A CATHODE RAY TUBE DISPLAY.

Applicant : INTERNATIONAL BUSINESS MACHINES CORPORATION, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA, OF ARMONK, NEW YORK 10504, UNITED STATES OF AMERICA.

Inventor : YUGI GOHDA; SHINPEI WATANABE.

Application No. 506/Mas/85 filed 3rd July 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

Apparatus for generating borderlines to a selected area or window of a cathode ray tube display comprising :

means for defining the boundaries of said area or window;

scanning means producing a scanning control signal for controlling the scanning of a character generating device across said display in repeat scans;

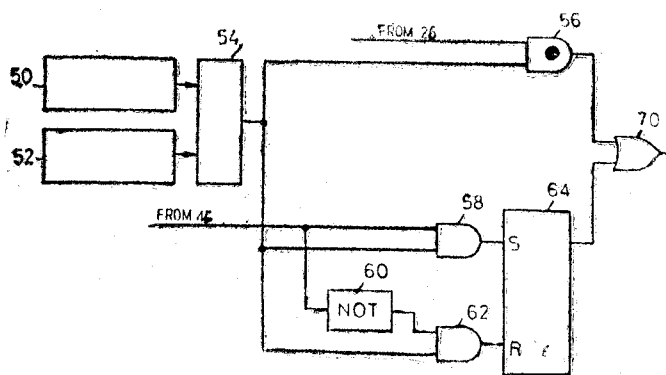
comparison means for detecting when a scan coincides with said boundaries;

means for generating an output signal which has a first state when scan is within said area or window and a second state when said scan is outside said area or window;

means for generating a delayed output signal;

an exclusive OR gate for exclusive-ORing said output signal and said delayed output signal to generate a timing signal; and

an AND circuit for generating special character generating signals when said timing signal occurs when said output signal is in its first state, the resultant special characters forming said borderlines.



Int. CLASS: F 23 D 14/00

165133

BURNER WITH IGNITION DEVICE.

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., A NETHERLANDS COMPANY OF CAREL VAN BYLANDT LAAN 30, 2596 HR THE HAGUE, THE NETHERLANDS.

Inventor : SIMON DE HAAN.

Application No. 375/Mas/85 filed May 21, 1985.

Convention dated to 23rd May, 1984, British, Appln. No. 8413160.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims

A burner with an ignition device comprising :

- a substantially cylindrical housing;
- a tubular element having an open inboard and defining a flame port;
- said element being substantially concentrically located in the housing;

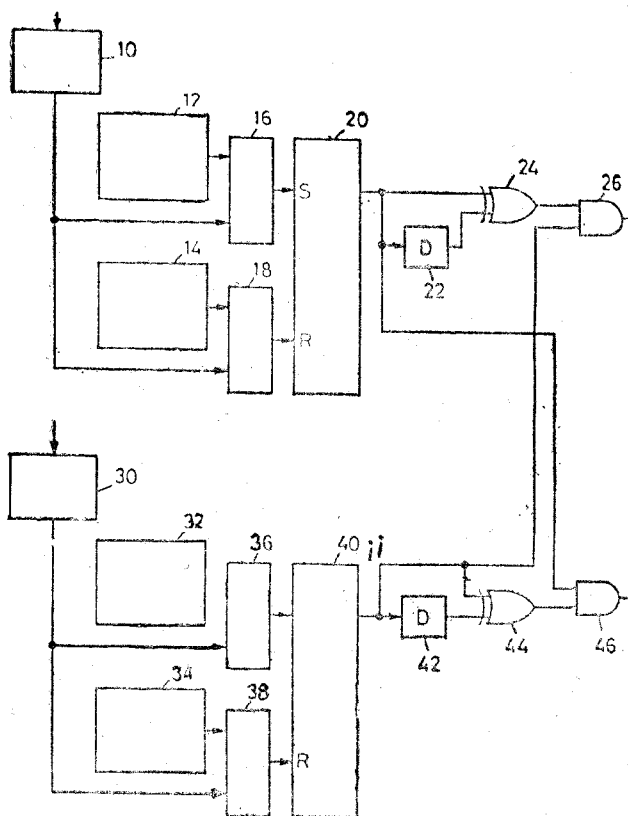
a substantially annular front wall extending between the cylindrical housing and the tubular element;

conduit means arranged in the space defined between the housing and the tubular element for separately supplying fuel and oxygen-containing gas to outlet means for fuel and oxygen-containing gas, respectively, arranged in the annular front wall;

the burner further comprises means arranged in the tubular element near the open inboard end for generating sparks, the spark generating means being formed of an elongated electrode having an uninsulated outer endpart and being substantially concentrically arranged in the tubular element, the electrode defining an annular space;

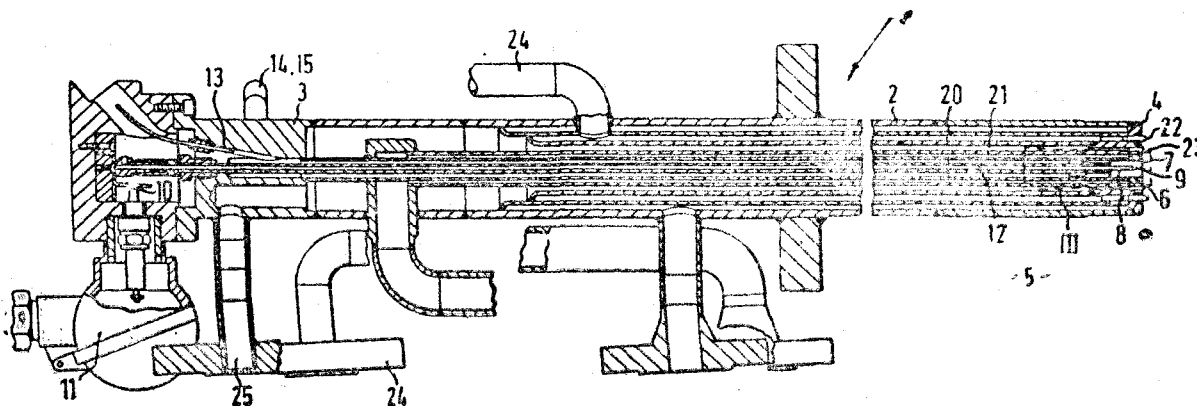
means for supplying a combustible gas mixture into said annular space, the annular space being provided with a baffle assembly upstream of and adjacent to the outer end of the electrode;

said baffle assembly being provided with first passage means for issuing low velocity combustible mixture towards the electrode's outer endpart and second passage means for issuing high velocity combustible mixture towards the electrode's outer endpart, the burner being further provided with means for flame detection.



Compl. specn. 10 pages

Drg. 4 sheets



Compl. specn. 11 pages

Drg. 2 sheets

Int. CLASS : E 04 C 2/16

165134

PROCESS FOR THE PRODUCTION OF SHAPED BODIES, PARTICULARLY FOR BUILDING ELEMENTS.

Applicant : 23, SZAMU ALLAMI EPTOIPARI VAL-LALLAT, A BODY CORPORATE ORGANIZED UNDER THE LAWS OF HUNGARY, OF 16, ROSENBERG IIP, U., BUDAPEST V., HUNGARY.

Inventors : (1) KALMAN JUHASZ, (2) ERZSEBET, POLHAMMER, (3) INRE HORVATH, (4) JANOS NACSA.

Application No. 380/Mas/85 filed May 22, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972). Patent Office, Madras Branch.

12 Claims. No drawing

Process for the production of shaped bodies, particularly for building elements, in the course of which fibrous vegetable matter having a waxy surface mainly rice shell mixed with a binding material such as silicate based binding material like plaster and sufficient water for setting the building material the said process comprising the steps :

- (a) mixing the fibrous vegetable matter with 0.1 to 0.5 part of the total water used to make the body, the said part of the water having 0.1 to 0.2 part by weight of a bond-improving agent such as herein described for bonding to the binding material;
- (b) mixing the prewetted fibrous vegetable matter with the said silicate-based binding material;
- (c) mixing the remaining 0.9 to 0.5 part of the water with the material simultaneously with and/or following the mixing-in of the said binding material; and
- (d) finally pouring the mixture into a mould and then allowing it to solidify.

Compl. specn. 19 pages.

Int. Cl.⁴ : B 65 G 11/00.

165135

PNEUMATIC TRANSPORT EQUIPMENT FOR FIBRE FLOCKS.

Applicant : MASCHINENFABRIK RIETER AG, A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND, OF WINTERTHUR, SWITZERLAND.

Inventors : PAUL STAHELI; URS STAHLI; FRITZ KNABENHANS.

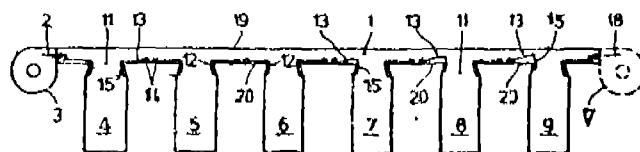
Application No. 410/Mas/85 filed 4th June 1985.

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

10 Claims

Pneumatic transport equipment for fibre flocks for supplying a plurality of cards in a transverse-feed fashion by means of a transport medium flowing through a duct, the duct having a constant, rectangular section, in the interior of which control members are provided for controlling the medium, the members being pivotally secured on pivot axes arranged at right angles to the longitudinal direction of the duct and located on the floor of the duct, and the members engaging

the floor of the duct in their open position, characterised in that between each pair of neighbouring feed chutes (4 to 9) two control elements (12) are provided, each comprising a control member (13) and a blocking member (15), the control elements (12) being associated with respective neighbouring chutes (4 to 9) and the two control elements (12), when in their open position, being arranged mirrorimage fashion relative to each other with reference to a plane normal to the duct (1) and having equal spacing from the two neighbouring chutes (4 to 9), and in that each control member (13) extends with its end remote from the pivot axis (14) towards the chute (4 to 9) associated with the control member and in that at the said end a blocking member (15) is secured which extends downwardly from the said end projects into the chute (4 to 9) in all pivotal positions of the control member (13), and in that the control members (13) are pivotable into selectable pivot positions and are fixable therein.



Compl. specn. 16 pages.

Drg. 1 sheet

Int. Cl.⁴ : F 42 B 13/42.

165136

DEVICE FOR PRODUCING A DECOY CLOUD, IN PARTICULAR AN INFRARED DECOY CLOUD.

Applicant : BUCK CHEMISCH-TECHNISCHE WERKE GmbH & CO., A WEST GERMAN COMPANY OF GEISLINGER STRASSE 21, 7347 BAD UBERKINGEN, WEST GERMANY.

Inventors : (1) WOLFGANG BADURA (2) GERHARD GRAU, (3) AXEL WIDERA AND (4) KURT ADAMEK.

Application No. 412/Mas/85 filed June 5, 1985.

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

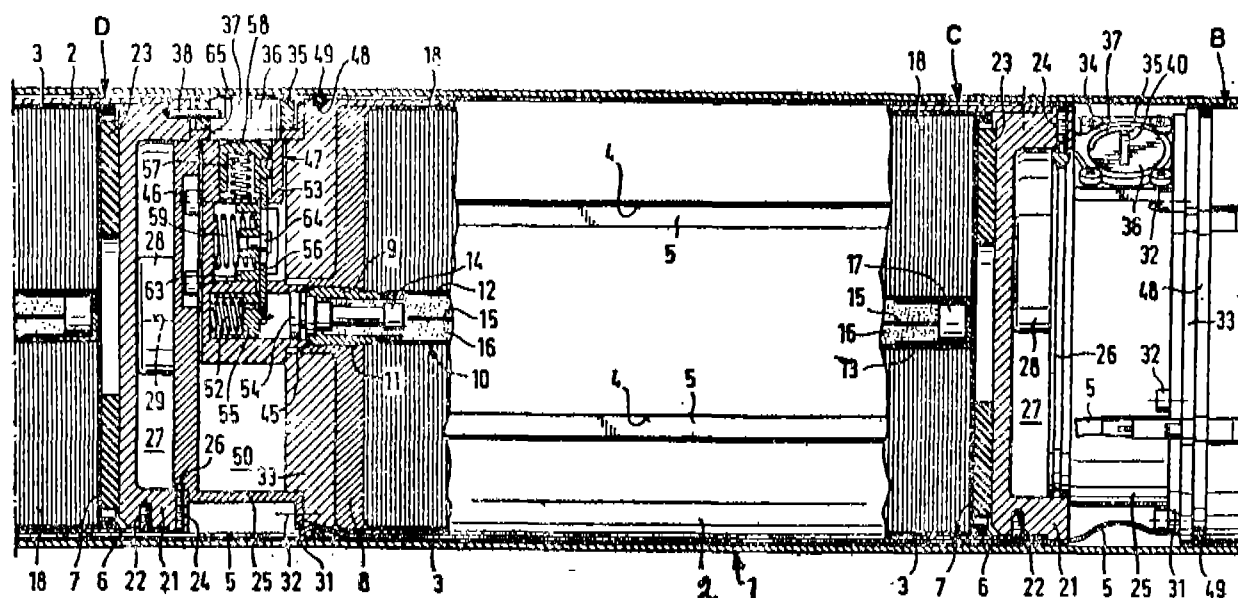
18 Claims

Device for producing a decoy cloud, in particular an infrared decoy cloud, with the aid of projectiles discharged from launcher tube which are loaded with charge for producing the required decoy cloud, in particular a combustible charge for producing an infrared decoy cloud, characterised in that :

- (a) several projectiles (A, B, C, D, E, F, G) are provided with in the launcher tube (1),
- (b) each projectile (A, B, C, D, E, F, G) is practically of identical design and has a combustible charge (18) and a separate ignition disintegrator unit (10) for the disintegration of the projectile, for simultaneous ignition of the combustible charge (18) and for scattering the combustible charge (18) with formation of the decoy cloud,
- (c) an ejection chamber (27) provided with a propellant charge cartridge (28) is located on the base section (33) of every projectile (A, B, C, D, E, F, G),
- (d) each propellant charge cartridge (28) is connected via a separate electrically actuated ignition lead (5) with a common command controlling ignition distributor unit (69) assigned to the lowest projectile (G), and
- (e) each projectile (A, B, C, D, E, F, G) has a separate percussion fuse (47) for the ignition disintegrator unit (10) on its base section (33) which can be actuated by releasing its safety device (36) mechani-

cally, the safety device (36) only being released after ignition of the particular propellant charge cartridge (28) with opening of the ejection chamber

(27) and after the projectile concerned has left the launcher tube (1) and due to acceleration of the projectile.



Compl. specn. 31 pages.

Drgs. 4 sheets

Int. CL⁴ : D 01 G 11/00.

165137

A METHOD AND AN APPARATUS FOR PREPARING A THREAD END FOR RESTARTING AN OPEN END SPINNING APPARATUS.

Applicant : SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT OF FREIDRICH-EBERT-STRASSE 84, 8070 INGOIS-LEADT, GERMANY, A GERMAN COMPANY.

Inventors : GUNTHER BOHM, STEPHAN WITTMANN, PETER ARIZT, HEINZ MULLER, GERHARD EGBERS, RUPERT KARI.

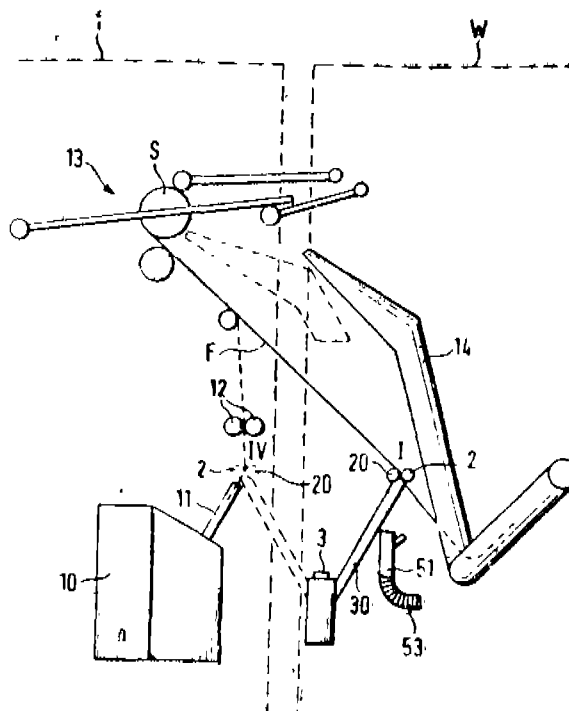
Application No. 421/Mas/85 filed 7th June 1985.

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

43 Claims

A process for preparing a thread end for the repiecing of an open-end spinning apparatus, in which the thread is cut to the length of a pieceable end, wherein, after cutting to length, the retained free thread end is exposed to a turbulent air flow which causes the thread end to execute wavelike transverse oscillations, so that at the thread end individual fibre ends are exposed and spread from the surface of the thread, and the thread end prepared in this way is subsequen-

tly transferred to the fibre-collection surface of the open-end spinning apparatus.



Compl. specn. 30 pages.

Drgs. 4 sheets

Int. Cl.⁴ : B 65 H 75/00.

165138

THREAD STORAGE AND FEED DEVICE.

Applicant : SOBREVIN SOCIETE DE BREVETS INDUSTRIELS-ESTABLISSEMENT, OF ALTENBACH 1, OF FL-9490 VADUZ, LIECHTENSTEIN, A COMPANY REGISTERED UNDER THE LAWS OF LIECHTENSTEIN.

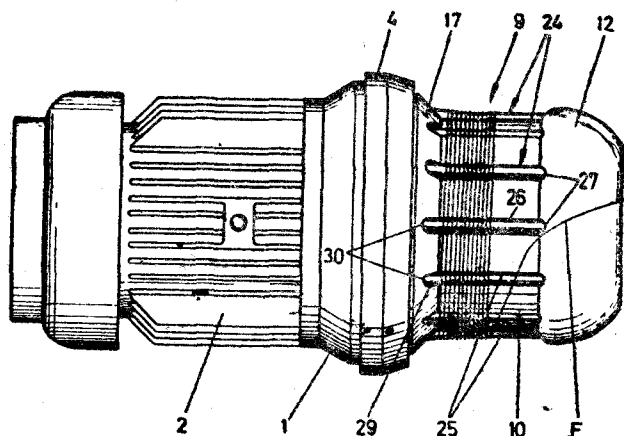
Inventor : ALBERTO GUSTAVO SARFATI.

Application No.444/Mas/85 filed 13th June 1985.

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

9 Claims

A thread storage and feed device having a winding body (9) to which the thread (F) is fed to form a supply which is removable overhead in the region of a conical widened portion (17), arms (24) being arranged cross-wise to the angular fillet (16) of the conical widened portion, said arms extending into slots (30) in the region of the conical widened portion (17) of the winding body (9) and being directed towards the corners of a polygon, wherein each of the arms (24) extend over the axial length of the winding body (9) and are longitudinally displaceable in axial direction, forming at the end thereof an angular fillet (28) of its own directing outwards and facing the angular fillet (16), the region (29) of the angular fillet (28) being such that it can be introduced into the slot (30) by longitudinal displacement and the slot side end region (29) of the arms (24) being adjustable in radial direction.



Compl. specn. 15 pages.

Drgs.. 5 sheets

Int. Cl.⁴ : B 03 5/00.

165139

A PROCESS FOR SEPARATING COAL FROM A MIXTURE OF COAL AND ASH.

Applicant : THE UNIVERSITY OF TORONTO INNOVATIONS FOUNDATION, INCORPORATED UNDER THE LAWS OF THE PROVINCE OF ONTARIO, OF 203 COLLEGE STREET, SUITE 205, TORONTO, ONTARIO, CANADA M5T 1P9.

Inventor : OLEV TRASS.

Application No. 474/Mas/85 filed 25th June 1985.

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

9 Claims

A process for separating coal from a mixture of coal and

ash comprising in a single step comminuting a mixture of coal and ash in water to which ash is lyophilic and to which coal is lyophobic and in liquid hydrocarbon which is immiscible with water and which will wet the coal to form agglomerates of coal and water in a mill having positive transport capability; and thereafter, separating the agglomerates from the mixture in a known manner.

Compl. specn.. 19 pages. .

Drgs. 4 sheets

Int. Cl.⁴ : B 05 B 3/04.

165140

PORTABLE APPARATUS FOR SPRAYING A PLANT-PROTECTIVE AGENT.

Applicant : CIBA-GEIGY AG, OF CH-4002 BASEL, SWITZERLAND, A SWISS CORPORATION.

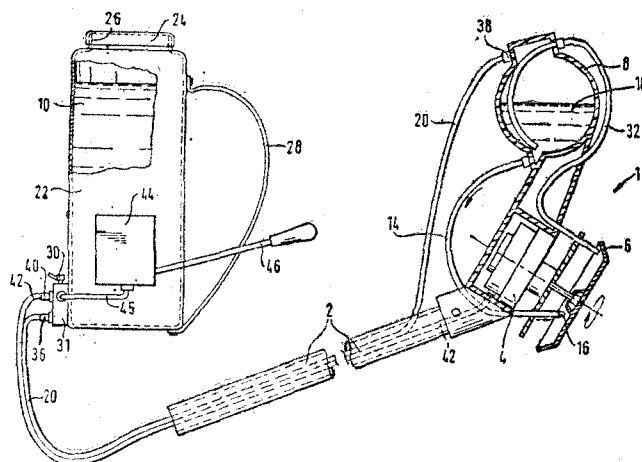
Inventor : ALFRED GRABER.

Application No. 477/Mas/85 filed 25th June 1985.

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

11 Claims

Portable apparatus for spraying a plant-protective agent, having a hand-held lance (2) or rod and a spray head (1) comprising a motor (4) and a rotatable spray plate (6) connected with the driving shaft thereof, and a first container (8) mounted on the lance (2) or rod adjacent to the spray head (1), with which first container (8) there is connected a connecting pipe line (14) opening near the centre of the spray plate (6), wherein the first container (8) is relatively small in size and is connected to a second container (22) by means of a supply line (20) which is flexible throughout at least a part of its length, and that the second container (22) is relatively larger in size and separately portable.



Compl. specn. 11 pages.

Drgs. 4 sheets

Int. Cl.⁴ : B 29 D 7/01.

165141

A METHOD FOR MANUFACTURING FILMS WITH MAT FINISH SURFACE FROM A THERMOPLASTIC MELT.

Applicant : DYNAMIT NOBEL AKTIENGESELLSCHAFT OF POSTFACH 1261, 521 TROISDORF, GERMANY, A COMPANY ORGANISED UNDER THE FEDERAL REPUBLIC OF GERMANY.

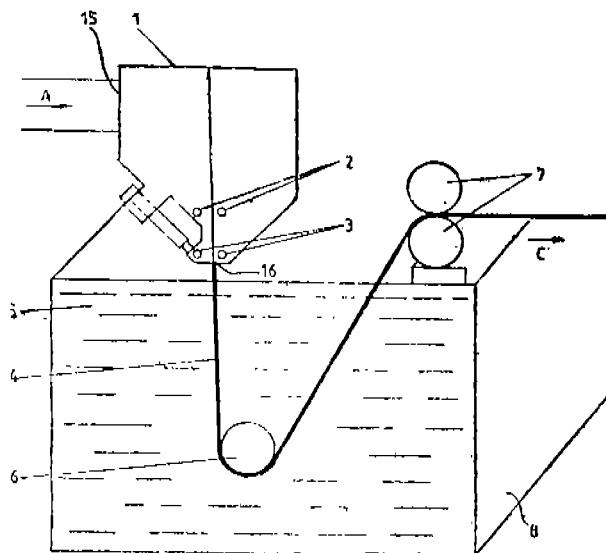
Inventor : HORST PABST.

Application No. 499/Mas/85 filed July 2, 1985.

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

8 Claims

A method for manufacturing films with mat finish surface from a thermoplastic melt such as polyvinyl butyral containing plasticizer such as hereinbefore described by extrusion using an extrusion die having a wide-slot, a feed channel, a distribution channel and an outlet slot, keeping a controlled temperature at an area of extrusion die located after the distribution channel facing the extrusion direction, for keeping the temperature of the said area of the extrusion die lower than the temperature of the rest of the portion of the extrusion die so that both surfaces of the melt stream are quickly quenched to create a temperature difference between the surfaces and the cure of the stream of melt, and, the resultant film exiting from the extrusion die is conducted into a water bath with a temperature in the range of 2° to 40°C to obtain a film with a mat finish.



Compl. specn. 20 pages.

Digs. 3 sheets

CLASS : 32-F₁; 55-E₁; 60-X₂ d.

165142

Int. Cl. : C 07 d 93/12.

PROCESS FOR THE PREPARATION OF PYRIDO-BENZOTHIADIAZINE DERIVATIVES.

Applicant : MEDIOIANUM FARMACEUTICI SRI. OF VIA S. GIUSEPPE COTTOLINGO, 31, MILANO, ITALY.

Inventors : 1. GIUSEPPE MASCELLANI, 2. ARNALDO FRAVOLINI, 3. PATRIZIA TERNI.

Application No. 152/Cal/85 filed March 1, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A process for the preparation of a pyrido-benzothiazine derivative with antimicrobial activity of general formula (IV) as shown in the accompanying drawings,

wherein R is H or CH₃; Y is Cl or F or a group of formula as shown in Figs. 1 to 3, 7 to 9 and 13 of the drawings;



Fig. 1



Fig. 2

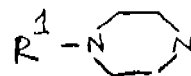


Fig. 3

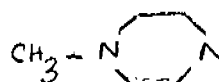


Fig. 7

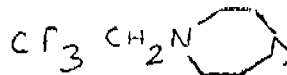


Fig. 8

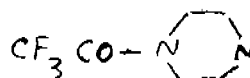


Fig. 9

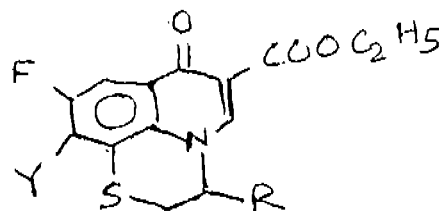


Fig. 13

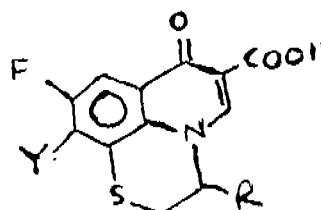
wherein R¹ is an alkyl of from 1 to 6 carbon atoms or an alkenyl of from 2 to 6 carbon atoms or an arylalkyl, an arylalkyl-carbonyl, or an alkylcarbonyl, or an alkyloxycarbonyl, possible substituted with halogens or hydroxy groups,

characterised in that :

- 3-chloro-4-fluorouniline is reacted with potassium thiocyanate and bromine to produce 2-amino-6-fluoro-7-chloro-benzothiazole (XII);
- 2-amino-6-fluoro-7-chloro-benzothiazole (XII) is reacted with sodium hydroxide to produce the disulfide of 2-amino-5-fluoro-6-chlorothiophenol (XIII);
- said disulfide is reacted with sodium monoacetate and subsequently reduced with LiAlH₄ in tetrahydrofuran or with sodium borohydride to produce 7-fluoro-8-chloro-3, 4-dihydro-2H-1, 4-benzothiazine (II);
- 7-fluoro-8-chloro-3, 4-dihydro-2H-1, 4-benzothiazine (II) is reacted with ethyl ethoxymethylenelone and the intermediate formed is cyclized with polyphosphoric acid to produce ethyl-9-fluoro-10-chloro-7-oxo-2, 3-dihydro-7H-pyrido [1, 2, 3 de] [1, 4]-benzothiazine-6-carboxylate (III);
- said ethyl carboxylate is hydrolysed in a known manner to the corresponding carboxylic acid (IV).



Formula III



Formula IV

Compl. specn. 32 pages.

Digs. 2 sheets

CLASS 191 C₁₁

165143

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

Int. Cl. : H 01 j 29/06.

6 Claims

COLOR PICTURE TUBE HAVING SHADOW MASK FRAME WITH TRUNCATED CORNERS.

Applicant : RCA LICENSING CORPORATION, OF 2 INDEPENDENCE WAY, P.O. BOX 2023, PRINCETON, NEW JERSEY, 08540, U.S.A.

Inventor : L. FRANK ROWLAND RAGLAND, JR.

Application No. 860/Cal/85 filed December 3, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A color picture tube including an evacuated envelope having a rectangular faceplate panel with major and minor axes, a central longitudinal axis of said tube passing through the center of said faceplate panel perpendicularly to the major and minor axes, said faceplate panel including a shadow mask having a peripheral skirt conforming to a flange of a peripheral frame mounted in said panel, said skirt and said flange each approximately paralleling said central longitudinal axis and said skirt being welded at various points including its corners to said flange, wherein said mask (34; 50; 34") and said frame (35; 52; 35") each has truncated corners such that portions of said skirt (41) at the corners of said mask and portions of said flange (36) at the corners of said frame are straight, flat and acutely angled with respect to both said major and minor axes (X-S, Y-Y'), and the corner weld points are located approximately at the centers (46; 60) of the straight, flat and acutely angled portions (A; 56).

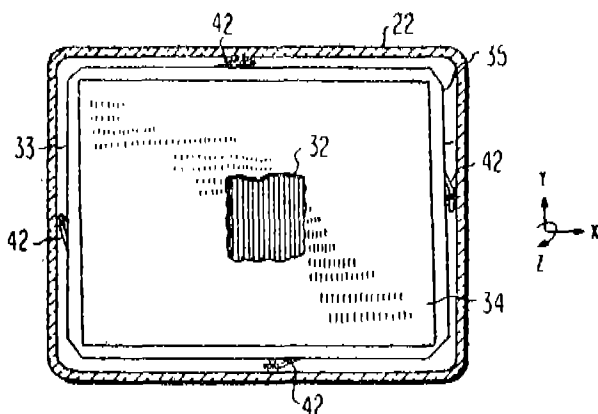


Fig. 2

Compl. specn. 8 pages.

Drgs. 4 sheets

Int. Cl. : C 08 f 4/00.

165144

PROCESS FOR CONTINUOUSLY PRODUCING PROPYLENE HOMOPOLYMER OR A PROPYLENE COPOLYMER.

Applicant : MITSUI TOATSU CHEMICALS, INCORPORATED, OF 2-5, KASUMIGASEKI 3-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. TADASHI ASANUMA, 2. ICHIRO FUJIO, 3. NOBUTAKA UCHIKAWA.

Application No. 871/Cal/86 filed December 2, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

A process for continuously producing propylene homopolymer or a propylene copolymer at a constant production rate in the presence of a catalyst system composed of a transition metal catalyst and an organoaluminum compound, which comprises :

calculating the production rate of the homopolymer or copolymer in a reaction tank from the quantity of heat generated per unit time in the reaction tank, which quantity is in turn calculated as the sum of the quantity of heat removed and the quantity of heat released, both, per the same unit time from the reaction tank; and

controlling the amount of the organoaluminum compound to be charged in the reaction tank so as to maintain the production rate of the homopolymer or copolymer at a desired level while maintaining the charging rate of the transition metal catalyst at a constant level, when the weight ratio of the organoaluminum compound to the transition metal catalyst both retained in the reaction tank is not greater than a preset value; or controlling the amount of the transition metal catalyst to be charged in the reaction tank so as to maintain the production rate of the homopolymer or copolymer at the desired level, when the weight ratio of the organoaluminum compound to the transition metal catalyst both retained in the reaction tank is greater than a preset value.

Compl. specn. 21 pages.

Drgs. 4 sheets

Int. Cl. : A 61 k 31/00.

165145

PROCESS FOR PREPARING AN IMPROVED PULVULENT COMPOSITION OF THE ZINC SALT OF BACITRACIN FOR VETERINARY USE AS GROWTH PROMOTER.

Applicant : KRKA TOVARNA ZDRAVLJ., n.s.o.l.o. OF CESTA HEROJEV 45, YU-68000 NOVO MESTO, YUGOSLAVIA.

Inventors : 1. JANKO PETRAVIC, 2. DR. MIROSLAV POKORNY, 3. RADO CIMERMAN, 4. JOZE REPSE, 5. JANEZ BERNIK.

Application No. 916/Cal/86 filed December 16, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

Process for preparing an improved pulverulent composition of the zinc salt of bacitracin for veterinary use as growth promoter, characterised in that to a raw pulverulent composition of feed grade Zn salt of bacitracin there are added and blended to homogeneity :

CaCO₃ up to the commercial activity such as 70% optionally lignosulfonate to 3% or starch to 70% or dextrose to 10% or hydroxypropyl methyl cellulose to 6% or soya meal to 50% under the corresponding reduction of the addition of CaCO₃, present amounts of additives relating to whole mass of blend of pulverulent composition being by weight and granulating the product.

Compl. specn. 12 pages.

Drg. Nil

Int. Cl. : D01g 5/00, 7/00.

165146.

A BALE OPENER ARRANGED FOR TRAVEL ALONG A SERIES OF FIBRE BALES.

Applicant : TRUTZSCHLER GMBH & CO. KG., OF DUVENSTR. 82-92, D-4050, MONCHENGLADBACH 3, WEST GERMANY.

Inventor : 1. JOSEF TEMBURG,

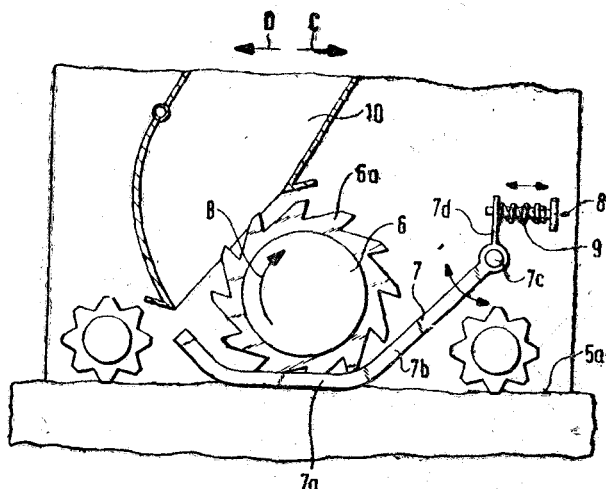
Application No. 925/Cal/86 filed December 18, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A bale opener arranged for travel along a series of fiber bales and having detaching means for progressively removing and hurling away fiber tufts from top faces of the fiber bales; said detaching means including a generally horizontally supported opening roller having a roller axis and equipped with detaching teeth and a grate urged against top faces of the bales; said grate being formed by a series of side-by-side arranged grate bars spaced from one another in a direction parallel to said roller axis; said teeth projecting between adjoining said grate bars and being arranged for penetrating into top faces of said bales; a first imaginary contour line defining a plane with said roller axis and interconnecting tips of adjacent teeth of said opening roller and a second imaginary contour line defining a plane with said roller axis, lying in an underface of each grate bar and interconnecting side-by-side arranged grate bars in a direction generally along said roller axis; wherein at least one of said first and second contour lines extends at least in part non-parallel to said axis of said opening roller.

Fig. (b)



(Compl. Specn. 10 pages. 3 sheets).

Int. Cl.: G01p 5/14.

165147.

ANNULAR VENTURI FLOW MEASURING DEVICE.

Applicant: COMBUSTION ENGINEERING, INC., OF 1000 PROSPECT HILL ROAD, WINDSON, CONNECTICUT 06095, U.S.A.

Inventor: 1. MARTIN JOHN KOZIAK.

Application No. 931/Cal/86 filed December 22, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A reduced length differential pressure venturi type flow measuring device for installation within a flow duct comprising:

a peripheral flow confining conduit having a longitudinal axis, and having an upstream end of a flow area substantially equal to the flow area of the duct; the walls of said conduit converging inwardly from the upstream

end at a first angle with respect to said axis for a first length;

the walls of said conduit thereafter extending substantially parallel to said axis for a throat length;

the walls of said conduit thereafter diverging at a second angle with respect to said axis for a second length to substantially the size of the upstream end;

and internally centrally located hub substantially co-extensive with said walls;

the upstream portion of said hub diverging at a third angle with respect to said axis for a third length;

the central portion of said hub extending substantially parallel to said axis for throat length, the annular space between the substantially parallel walls of said conduit and the substantially parallel portion of said hub comprising a throat;

the downstream portion of said hub converging at a fourth angle with respect to said axis for a fourth length to the downstream end of said hub;

means for supporting said hub within said conduit; means for sensing the static pressure within said duct; and

means for sensing the static pressure within said throat.

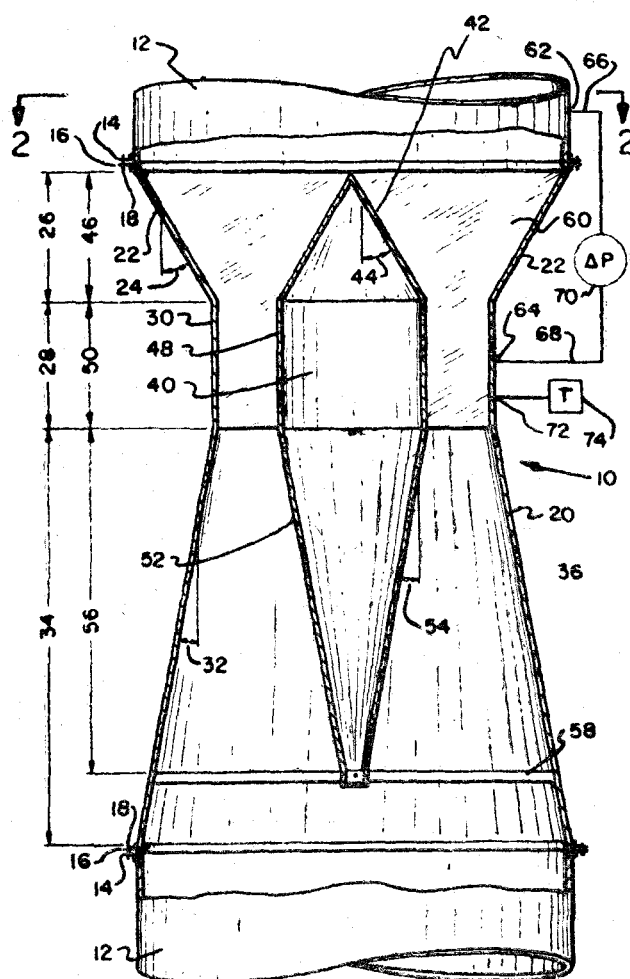


Fig. 1

Compl. specn. 10 pages

Drg. 2 sheet

Int. CLASS : B65h 37/00.

165113

11 Claims

WEB DISPENSING AND JOINING APPARATUS.

Applicant : VEB KOMBINAT POLYGRAPH "WERNER LAMBERT" LEIPZIG, OF ZWEINAUNDORFER STR. 59, LEIPZIG, 7050, GERMAN, DEMOCRATIC REPUBLIC.

Inventors : 1. DIMMEL ERWIN, 2. TOPFER KLAUS, 3. BINDER MARTIN.

Application No. 933, CAI/86 filed December 22, 1986.

Convention date 16th October, 1986 (.8624847) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

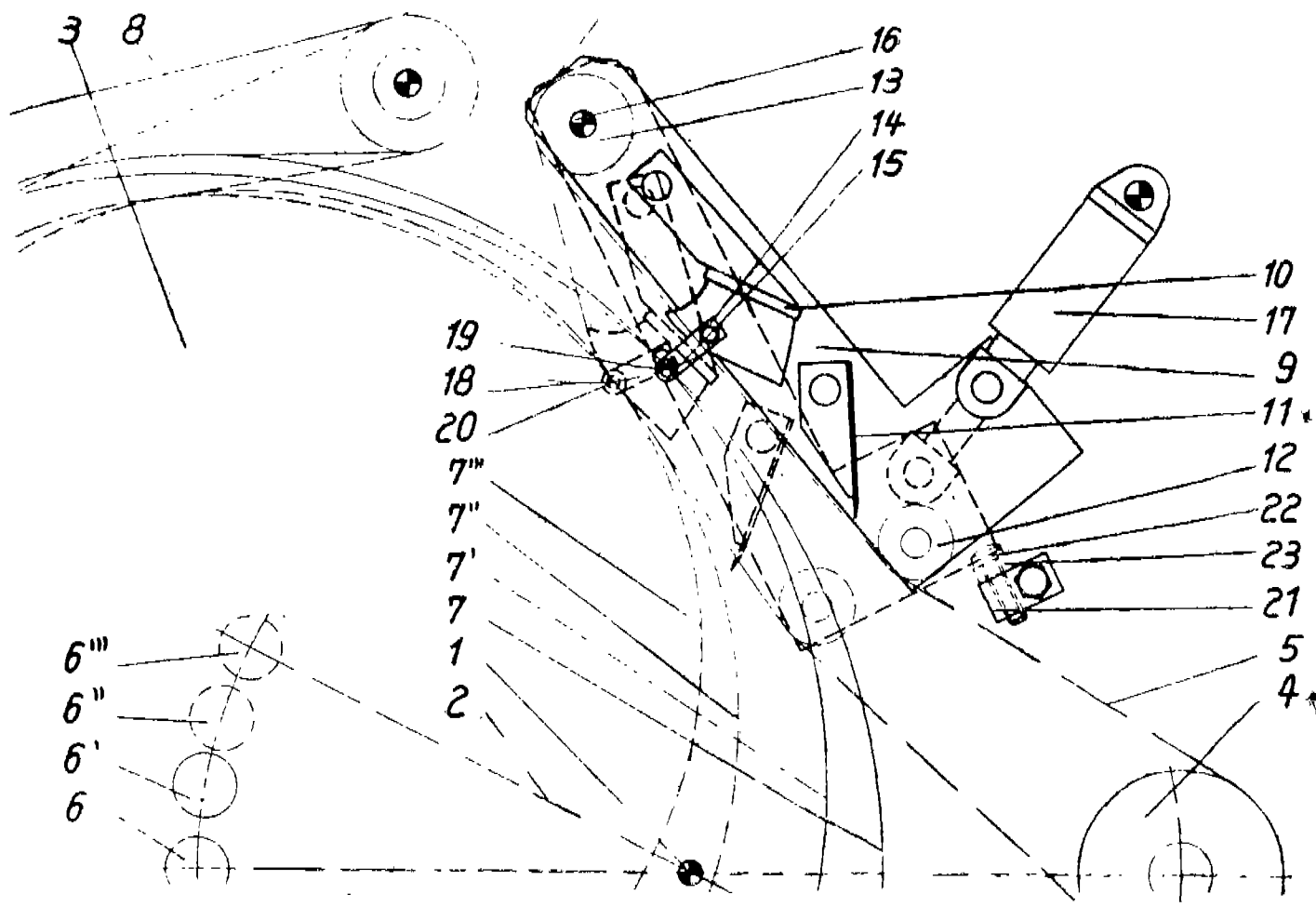
Web dispensing and joining apparatus comprising:

pivotable support means for a first roll of web material to be dispensed and for a second roll of web material to be joined to a terminal portion of web material from the first roll and to be dispensed after such joining has taken place;

a sensor for causing the support means to dispose the second roll in a predetermined position;

in dependence on the diameter of the second roll, in which such joining is to take place;

a web guidance and joining device comprising an arm provided with rollers to guide web material from the rolls and with means to bring about a glued connection of respective lengths of web material from the rolls, and locating means to locate the sensor and the device in selectable positions in dependence on the diameter of the second roll.



CLASS : 97-E

165149

Int. Cl. : F 27 D 11/06, H 05 b 6/02, 6/06,

165149

6/36, 6/44; H 05 h 1/04, 1/32,
1/40, 1/42.

INDUCTION-PLASMA MELTING PLANT.

Applicant : VSESOUJZNY NAUCHNO-ISSLEDOVATELSKY, PROEKTNO KONSTRUKTORSKY I TEKHNOLOGICHESKY INSTITUT ELEKTROTERMICHESKOGO OBOURODOVANIA (VNIIEITO), OF NIZHEGORODSKAYA ULITSA, 29, MOSCOW, USSR.

Inventors : 1. NIKOLAI IVANOVICH FOMIN, 2. VLADIMIR SERGEEVICH MALINOVSKY, 3. GERMAN DMITRIEVICH ZAITSEV, 4. ALEXANDR IVOVICH REZUNENKO, 5. ALEXANDR ALEXANDROVICH PROSTYAKOV, 6. EVGENY PETROVICH TEREKHOV.

7. MIKHAIL MIRONOVICH KRUTYANSKY, 8. VADEM GEORIEVICH LADOZHSKY, 9. MIKHAIL PETROVICH HAKIN.

Application No. 359/Cal/87 filed May 4, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

An induction-plasma melting plant, wherein a vessel for stock melting is placed in an inductor; part of the inductor turns is made as a first winding, connected in parallel with which is one or a number of electrically interconnected plasmatrons; the rest of the inductor turns are made as a second winding electrically insulated from the first winding and connected to a bank of capacitors and to a source of alternating current.

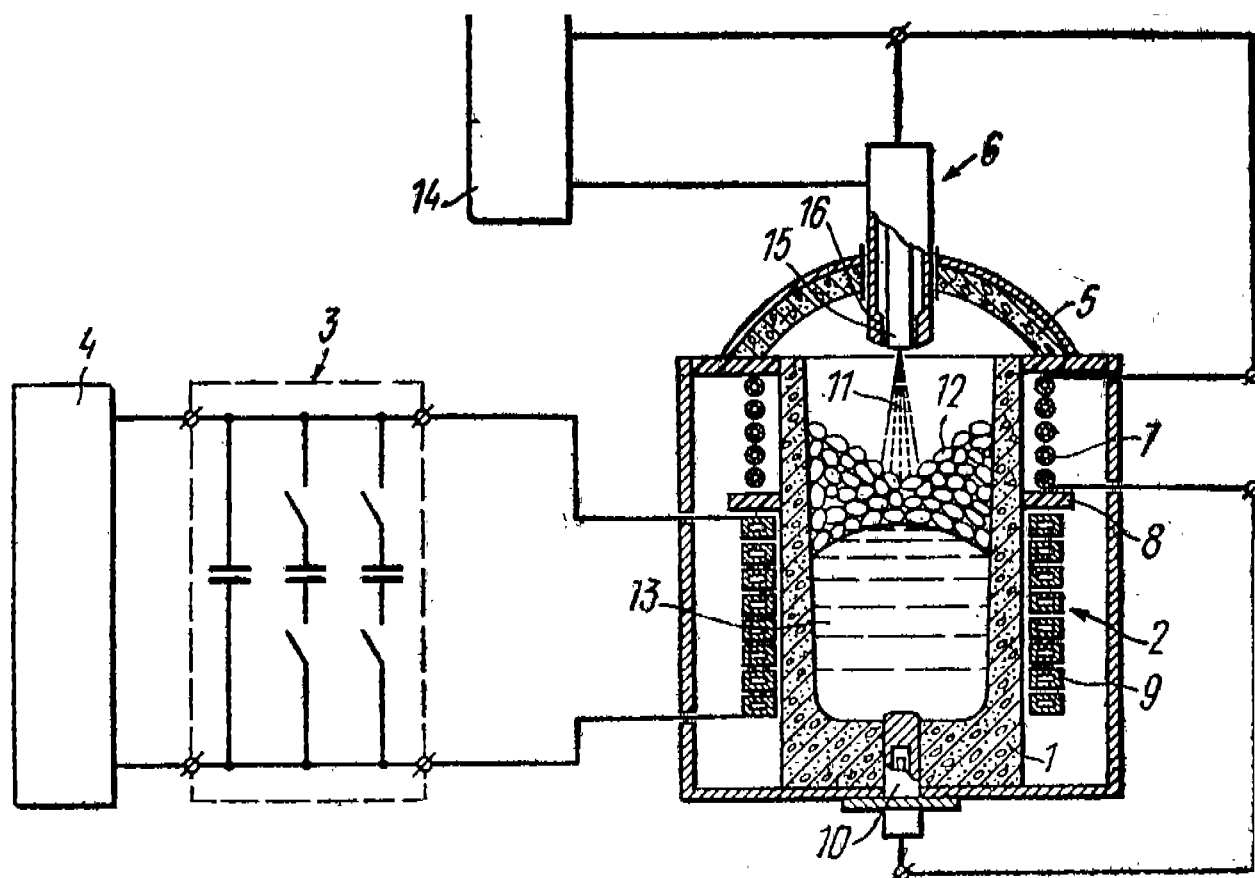


Fig. 1

Int. CLASS : B 03 c 3/00

165150

8 Claims

DUST-COLLECTING ELECTROSTATIC PRECIPITATOR.

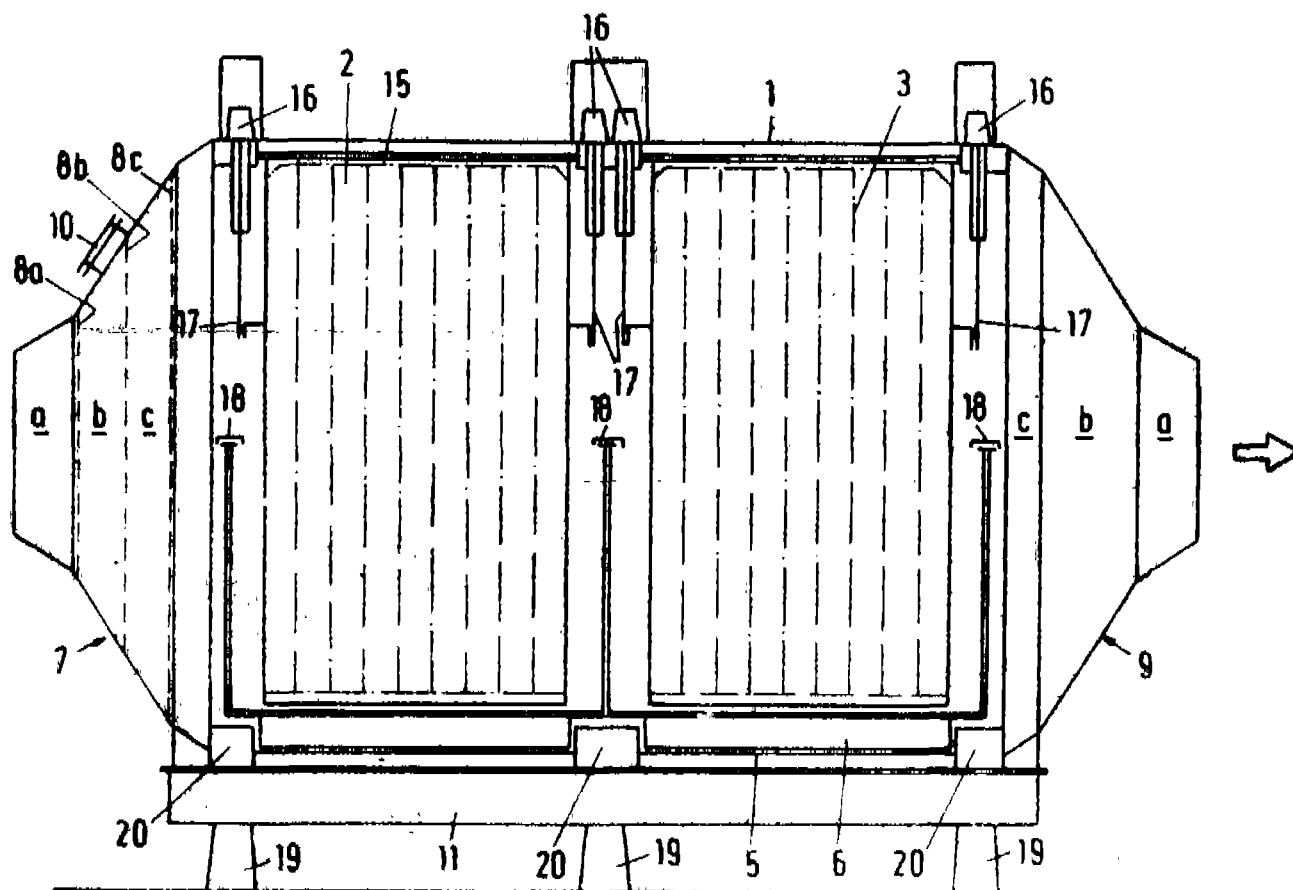
Applicant : METALLGESELLSCHAFT AKTIENGESELLSCHAFT, OF REUTERWEG 14, D-6000, FRANKFURT AM MAIN, WEST GERMANY.

Inventors : 1. WILHELM LEUSSLER, 2. FRANZ LAUSS.

Application No. 513/Cal/87 filed July 2, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

A dust-collecting electrostatic precipitator for a horizontal gas flow, comprising a pressure-resisting cylindrical housing, which contains vertical plate like collecting electrodes, which are spaced equal distances apart and extend substantially parallel to the main axis of the housing and throughout the height which is available and corresponds to the associated chord, and in which tensioned corona electrodes fixed to frames are disposed between the collecting electrodes, and scrapers are provided, which are pivotally movable over the bottom portion of the housing wall, which in said bottom portion is formed with dust outlet openings, characterized by the provision of a tubular inlet port (7), which comprises three conical portions (a, b, c) and flares from the cross-section of the gas supply duct to the cross-section of the cylindrical housing (1), which latter is at least ten times larger in cross-section than the said duct, and the tubular inlet port is provided in its intermediate conical portion (b) with three perforated gas-distributing plates. (8a to 8c).



Compl. specn. 15 pages

Drg. 5 sheets

Int. CLASS : F 16 h 5/00

165151

20 Claims

BI-DIRECTIONAL TORQUE TRANSMISSION UNIT.

Applicant : FLETCHER SUTCLIFFE WILD LIMITED, UNIVERSAL WORKS, HORBURY, WAKEFIELD WF 4 5HR, YORKSHIRE, ENGLAND.

Inventor : 1. LEWIS ROBERT BARNES BOWER.

Application No. 565/Cal/87 filed July 22, 1987.

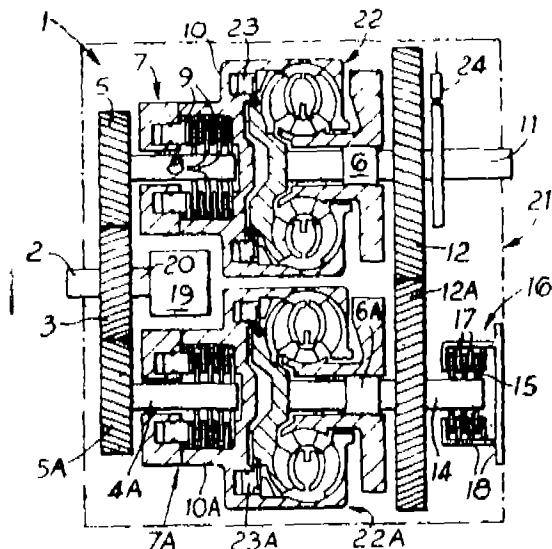
Convention dated 23rd July, 1986 (8618020) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

A bi-directional torque transmission unit comprising :

- (a) an input shaft connectable to a prime mover and provided with an input drive gear wheel;
- (b) first and second driven shafts, each having a driven gear wheel constantly in direct or indirect mesh with the input drive gear wheel, such that the first and second driven shafts are rotatable obly in the same direction;
- (c) first and second intermediate output shafts, geared together and, in their respective drive modes, rotatable in the same direction;

- (d) first and second hydraulically actuated and modulated clutches interconnecting the first and second driven shafts, respectively, with the first and second intermediate output shafts, with the clutches engageable selectively;
- (e) a final output shaft in drivable relationship with both the first and second intermediate output shafts, with the clutch selected for engagement determining the direction of rotation of the final output shaft, and
- (f) the non-driving clutch being engageable to provide a regenerative retarding effect.



(Compl. Specn. 13 pages. Drg. 1 sheet).

Int. Cl.⁴: B32B 15/04; C04B 41/14.

165152.

"A METHOD FOR PARTIALLY OR COMPLETELY COATING CERAMIC ARTICLE WITH A METAL LAYER DIRECTLY AND SECURELY BONDED TO THE SURFACE OF SAID ARTICLE."

Applicant: KOLLMORGEN TECHNOLOGIES CORPORATION, a corporation organised and existing under the laws of the State of Texas, having a place of business at 717 North Harwood Street, Suite 1000, Lock Box 67, Dallas, Texas 75201, U.S.A.

Inventors: MICHAEL ALBERT DELUCA & JOHN FRANCIS MCCORMACK.

Application for Patent No. 456/DEL/84 filed on 4th June, 1984.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office Branch, New Delhi-110 005.

2 Claims.

A method for coating a ceramic article with a metallic layer directly and securely bonded to the surface of said article comprising at least the following steps:

(A) treating the surface of the ceramic article with a melt comprising one or more alkali metal compound(s), and

(B) exposing said surface to a solution having an acidity of at least 0.001 molar in hydrogen ions (PH 3) and comprising one or more halides elected from chlorides, bromides and iodides in an amount between 1.2 and 12 moles halide per liter, not including chlorides of the precious metals of groups VIII and Ib of the periodic table of elements, and

sufficient to promote uniform and secure absorption of precious metal species rendering said surface receptive for metal depositions treating said exposed surface with a catalyzing solution of the kind described herein or a part of the catalyzing solution, and

(C) exposing the thus treated surface or selected parts thereof to a metal plating bath solution for depositing the desired metal on said surface thus forming a substantially completely uniform, defeat-free deposit of at least 0.2 UM, and preferably 2 UM, and securely bonded to the ceramic article.

(Complete Specification 34 pages)

Clas : 146E.

165153.

Int. Clas : G01t 1/00.

RADIATION PYROMETER.

Applicant: SMITHS INDUSTRIES PUBLIC LIMITED COMPANY, a British company, of 765 Finchley Road, London NW 11 8DS, England.

Inventors: RONALD ALFRED MASOM & JOHN POINTER.

Application for Patent No. 361/Del/85 filed on 29th April, 1985.

Convention date May 12, 1988/8412219/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office Branch, New Delhi-110 005.

8 Claims.

Radiation-pyrometer comprising: means for receiving radiation and providing an output on a cable in accordance with received radiation; a tubular member located in front of the means for receiving radiation, the sighting tube having an open end, and an end that is closed by an optical window through which radiation entering the open end passes to the means for receiving radiation; an internal shoulder separating the open end from the closed end of larger internal cross-sectional area; an outer sleeve extending coaxially of the open end of the sighting tube and forming thereby a gas passage extending along the outside of the sighting tube; a gas inlet into the gas passage located such that gas supplied to the inlet flows along the gas passage towards the open end of the sighting tube; and a projection in said gas passage that directs some at least of the gas across the open end of said sighting tube such that a substantially constant gas pressure is established within the closed end of the sighting tube.

(Complete Specification 11 pages. Drawing sheets 2)

Int. Class⁴: B01D 15/02.

165154.

A PROCESS FOR THE SEPARATION OF ALPHA-PICOLINE ISOMERS.

Applicant: UOP INC., a corporation organised in the state of Delaware, with its principal place of business at Ten UOP Plaza, Algonquin & Mt. Prospect Roads, Des Plaines, Illinois 60016, United States of America.

Inventor: HERMANN ALBERT ZINNEN.

Application for patent No. 509/Del/85 filed on 28th June, 1985.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office Branch, New Delhi-110 005.

8 Claims.

A process for separating alpha-picoline from a feed mixture comprising alpha-picoline and at least one other isomer of picoline such as herein described, which comprises contacting said mixture at adsorption conditions as herein defined, with an adsorbent comprising a type Y zeolite having alkaline earth or iron group cations at exchangeable cationic sites, selectively adsorbing in a manner such as herein defined, said other isomer to the substantial exclusion of the alpha isomer, and recovering high purity alpha-picoline as a raffinate stream.

Used in the manufacture of 2-vinyl-pyridine.

(Complete Specification pages—25. Drawing sheets 3)

Int. Class⁴ : E02D 5/14, 5/24.

165155.

AN IMPROVED DEVICE FOR JOINING PRECAST PILES IN SEGMENTS.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH Rafi marg, New Delhi-110001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

Inventors : RAJENDRA KUMAR BHANDARI, MAHA-VIR PRASAD JAIN and ASHOK KUMAR SHARMA.

Application for Patent No. 569/Del/85 filed on 18th July, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

2 Claims.

An improved device for jointing precast concrete piles in segments which comprises concrete piles having two or more segments, the bottom most segment having fitted thereto a rock shoe for facilitating penetrating the hard strata and having reinforcing bars, the top portion of the segment having a female part which consists of three plates (8, 9 & 10), the bottom plate (8) having a dowel hole (13) at its centre to which is attached a pipe (13A) the length of which depends on the length of the dowel pin (16) of the male part, the plate (9) acting as an intermediate plate having dimension equal to that of plate (8) minus the dimension of the fin plate (4) of the male part, the plate (10) having the required number of fins (11), the fins projecting inside towards the centre all the three plates being connected with each other, the second segment to be jointed with the female part consisting of a male part, the male part having three plates (1, 2 & 3), the plate (1) having the dimension of the piles to be joined which acts as a base to support the plates (2 & 3), the plate (3) having the same dimension as that of plate (2) minus the height of the fin (4), the plate (3) consisting of required number of fins (4) the dimension of the plate being equal to that of plate (2) minus the height of the fins (4), all the three plates being connected to each other, the top portion of the second segment being plane, in the event the piles have more than two segments, the intermediate segments having at their meeting ends the above said respective female and male parts at the top and bottom ends.

(Complete specification pages 12. Drawing Sheets 6).

Int. Class⁴ : E02D 5/14, 5/24.

165156

AN IMPROVED DEVICE FOR JOINING PRECAST CONCRETE PILES.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH Rafi Marg, New Delhi-110001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

Inventors : RAJENDRA KUMAR BHANDARI, MAHA-VIR PRASAD JAIN and ASHOK KUMAR SHARMA.

Application for Patent No. 570/Del/85 filed on 18th July, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patents Office Branch, New Delhi-110005.

2 Claims.

An improved device for jointing precast concrete piles in segments which comprises concrete piles having two or more segments the bottom most segment having fitted thereto a rock shoe for facilitating penetrating the hard strata and having reinforcing bars, the top portion of the said segment having a female part, provided with a plate and grooves around its periphery and having a dowel pin in the centre—one side connected to plate, the other side of the plate accommodating the pile reinforcement and having a dowel hole in the centre of plate, the segment to be jointed with the female part consists of a male part being identical to the female part except that it does not have a dowel hole in the centre, in the event, the piles have more than two segments, then the intermediate segments having at their meeting ends, the above said respective female and male parts at the top and bottom ends respectively and the connecting rings having two halves, each half having grooves around its periphery for locking with the corresponding grooves of the female and male parts for joining the segments.

(Complete Specification pages 10. Drawing Sheets 4).

Int. Cl.⁴ : E 02 D 5/14; 5/24.

165157

"IMPROVED DEVICE FOR JOINING PRECAST PILES".

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : RAJENDRA KUMAR BHANDARI MAHA-VIR PRASAD JAIN AND SHOK KUMAR SHARMA.

Application for Patent No. 571/Del/85 filed on 18th July, 1985.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110005.

2 Claims

An improved device for joining precast piles in segments which comprises concrete piles having two or more segments the bottom most segment fitted with a rock shoe which helps in penetrating the hard strata and having reinforcing bars, the top portion of the reinforcing bars having a female part over which is placed the male parts of the other segment to be joined, the female and male parts being identical construction and consisting of a plate fixed thereto a locking block provided over the opposite ends of the plates and having two holes one vertical and another horizontal, the locking pin and a spring washer provided for helping locking of the pin, provided at the end of the locking block, a protection sheet fixed around the height after piling the segments and in the event the pile consists of more than two segments then the intermediate segments having the above said female and male parts at the top and bottom ends respectively.

Compl. specn., 11 pages.

Drgs. 4 sheets .

Int. Cl.⁴ : E 02 D 5/14; 5/24.

165158

"AN IMPROVED DEVICE FOR JOINING OF PRECAST PILES".

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : RAJENDRA KUMAR BHANDARI, MAHAVIR PRASAD JAIN AND ASHOK KUMAR SHARMA.

Application for Patent No. 572/Del/85 filed on 18th July, 1985.

Appropriate office for opposition proceedings (Rule 4, Patent Rule, 1972), Patent Office Branch, New Delhi-110005.

2 Claims

An improved device for joining precast concrete piles in segments which comprises concrete piles having two or more segments, the bottom most segment is fitted with a rock shoe which helps in penetrating the hard strata, the top portion of which having a female part consisting of a square plate of required thickness which has slots at its four corners and dowel hole in the centre having fixed thereto a pipe, the other segment which is to be joined has the male part at the end which is to be joined with the female part, the other end being plane, the male part being constructionally similar to the female part except that the plate has a dowel pin in the centre, in the event the pile has more than two segments the intermediate segment having the above said female and male parts at the top and bottom ends respectively and the segments being joined by means of locking key.

Compl. specn., 10 pages.

Drgs. 5 sheets

Int. Cl.⁴ B 66 D 1/00.

165159

ELEVATING CONVEYOR.

Applicant : GOUGH & COMPANY (HANLEY) LIMITED, A BRITISH COMPANY OF CLOUGH STREET, HANLEY, STOKE-ON-TRENT, STAFFORDSHIRE, ST1 4AP, ENGLAND.

Inventor : GEROGE TERAH GOUGH.

Application for Patent No. 743/Del/85 filed on 10th Sept. 1985.

Convention date September 12, 1984/8423075/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

An elevating conveyor comprising a loading section leading to an elevating section which in turn leads to a discharge zone and wherein an endless conveyor belt is provided to convey material at least through the elevating section, said endless conveyor belt co-operating with and confronting conveyor means to form a closed space for said material, means to cause said belt to move in an upward direction through the elevating section and wherein transverse bars are provided on the surface of the belt confronting the cooperating conveyor means, at spaced intervals, characterised in that the height of the said transverse bars is such that there is a clearance between the top of the bars and the cooperating conveyor means which clearance corresponds to between one and three times the maximum particle size of the material being conveyed and elevated.

Compl. specn. 17 pages.

Drgs. 5 sheets

Int. Cl.⁴ : C 03 B 5/225.

165160

"METHOD AND APPARATUS FOR MELTING PULVERULENT GLASS-MAKING MATERIALS TO PRODUCE MOLTEN GLASS".

Applicant : PPG INDUSTRIES, INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF PENNSYLVANIA, U.S.A. OF ONE PPG PLACE, PITTSBURGH 22, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA.

Inventors : JOSEPH MICHAEL MATESA; KWANG JONG WON; HENRY MARTIN DEMAREST; & RONALD LEE SCHWENNINGER.

Application for Patent No. 785/Del/85 filed on 25th September, 1985.

Appropriate office for opposition proceedings (Rule 4, Patent Rule, 1972), Patent Office Branch, New Delhi-110005.

18 Claims

A method for melting pluvulent glass-making materials to produce molten glass, said process comprising heating said pulverulent glass making material by radiant heat transfer in a first vessel to form a foamy, opaque liquefied material having a temperature of at least 2200°F. (1200°C), draining the liquefied material therefrom and further heating the liquefied material in a second vessel by imposing an alternating electromagnetic field to induce electric current in the liquefied material so as to achieve a refining temperature for the glass as known per se to obtain the resultant molten glass and allowing the glasseous inclusion if any in the molten glass material to escape in a manner as herein described.

Compl. specn. 28 pages.

Drgs. 4 sheets

Int. Cl.⁴ : C 08 L 15/02.

165161

PROCESS FOR PREPARING A BROMINATED BUTYL RUBBER POLYMER.

Applicant : EXXON RESEARCH AND ENGINEERING COMPANY, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF P.O. BOX 390, FLORHAM PARK, NEW JERSEY 07932, UNITED STATES OF AMERICA.

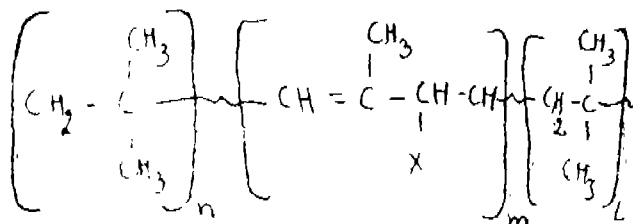
Inventors : IRWIN JEROME GARDNER AND JAMES VINCENT FUSCO.

Application for Patent No. 801/Del/85 filed on 1st October, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

10 Claims

A process for preparing a brominated butyl rubber polymer having a substantial fraction of incorporated bromine in a primary allylic configuration (Type III)



as herein described characterised by contacting a butyl rubber dissolved in a solvent of the kind as herein defined with elemental bromine at a reaction temperature of 65°C to 129°C for a time sufficient to brominate the polymer.

Compl. specn. 24 pages.

Drgs. 4 sheets

Int. CLASS¹ : C07F 7/02

165162

Title: PROCESS FOR THE MANUFACTURE OF SILYUMETALLOCENE COMPOUNDS.

Applicant: SOCIETE NATIONALE DES POUDRES ET EXPLOSIFS, OF 12 QUAI HENRI IV, 75181 PARIS Cedex 04— France, a French company.

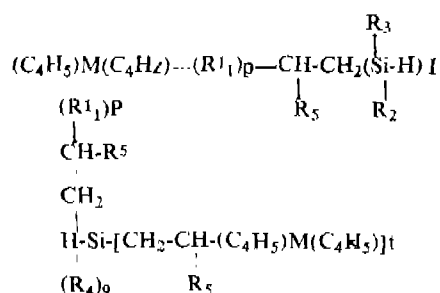
Inventor: JEAN-CLAUDE GAUTIER and SERGE RAYNAL.

Application for Patent No. 503/Del/85 filed on 26th June, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

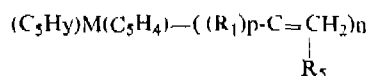
(Claims--9)

Process for the manufacture of a Silyumetalloocene compound of the formula III



of the drawings wherein M is a transition metal included in the group comprising iron, osmium, ruthenium, nickel, cobalt, manganese and titanium, R₂ and R₃, which may be identical or different, denote hydrogen, an aliphatic radical or an aromatic radical, R₄ having the meaning of R₂ or R₃; R₅ denotes hydrogen or an aliphatic or aromatic radical; R'₁ is a branched or unbranched alkenyl chain, or an aromatic chain.

L is equal to 0 or 1, z is equal to 4-L, p is equal to 0 or 1, t is equal to 0, 1 or 2 and q is equal to 3-t., comprising reacting in a solvent or without solvent and in the presence of a hydrosilylation catalyst, of a kind such as herein described, metallocene of the general formula (I)



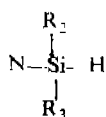
of the drawings in which;

—M, p have the meaning indicated above;

—R₁, if present denotes a saturated or unsaturated, aliphatic radical, an aromatic radical, or an alkenylcarbonyl radical;

—R₅ having the meaning indicated above;

—n is equal to 1 or 2, y is equal to 5--(n-1), with a halosilane of the general formula II



of the drawings in which;

—x denotes a halogen chosen from the group consisting of chlorine bromine and iodine;

—R₂ and R₃, which have the meaning indicated above, and then, in a solvent and in the presence of a hydrogenation catalyst of the kind such as herein described reducing in any known manner the resultant product to form the said metallocene compound and extracting by any known method the said compound from the reaction medium.

Compl. specn. 12 pages

Drg. 1 sheet

Int. Cl.⁴ : C 02 F 5/12.

165163

A METHOD OF TREATING AN AQUEOUS SOLUTION FOR INHIBITING THE PRECIPITATION OF PHOSPHATE SCALES IN SAID SOLUTION.

Applicant : THE B. F. GOODRICH COMPANY, A NEW YORK CORPORATION WITH BUSINESS OFFICES AT 500 SOUTH MAIN STREET, AKRON, OHIO 44318, U.S.A.

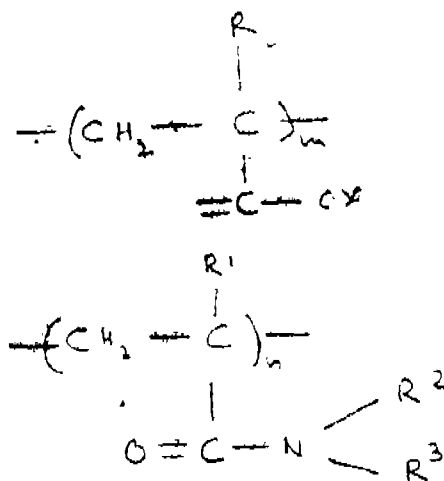
Inventors : MASTER WILLIAM FRANK III AND AMJAD ZAHID.

Application for Patent No. 578/Del/85 filed on 19th July, 1985.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110005.

5 Claims

A method of treating an aqueous solution of the kind as herein described containing salts selected from calcium phosphate, calcium carbonate, calcium sulfate, barium sulfate, magnesium phosphate, magnesium hydroxide, calcium silicate, magnesium silicate, iron oxide hydroxide, zinc phosphate, calcium fluoride, calcium oxalate and mixtures of said salts, for inhibiting the precipitation of phosphate scales in said aqueous solution comprising the step of adding to the aqueous solution 0.05 to 500 ppm water-soluble non-crosslinked random copolymer of 50 to 90 weight parts of an acrylic acid and 10 to 50 weight parts of a substituted acrylamide, on the basis of a total of 100 weight parts of polymerized monomers, said copolymer having weight average molecular weight in the range of 1000 to 50000 and the polymerized units of an acrylic acid and a substituted acrylamide as defined by the formula I



of the accompanying drawings wherein m is in the range of a 10 to 700 and n is in the range of 1 to 350, subjected to the molecular weight limitations; R and R' are individually selected from hydrogen and methyl; X is selected from hydrogen sodium, potassium, calcium, ammonium, and magnesium moieties; and R² and R³ are individually selected from hydrogen, and substituted and unsubstituted groups each containing a total of 1 to 8 carbon atoms, wherein the substituents on R² and/or R³ are selected from alkyl, aryl and keto groups, provided that either R² and/or R³ is other than hydrogen.

Compl. specn. 21 pages.

Drg. 1 sheet

Int. Cl.⁴ : C 09 D. 3/48.

165164

12 Claims

"A PROCESS FOR PRODUCING A WATER-BORNE COATING COMPOSITION".

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC., A BRITISH COMPANY, OF IMPERIAL CHEMICAL HOUSE, MILBANK, LONDON SW1 3JF, ENGLAND.

Inventors : ALAN JAMES BACKHOUSE, ANDREW FRANGOU AND STEPHEN JAMES THORNE.

Application for Patent No. 582/Del/85 filed on 22nd July, 1985.

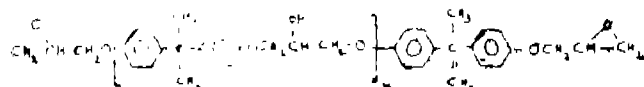
Convention date 2nd August, 1984/8419719/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110005.

4 Claims

A process for producing a waterborne coating composition comprising mixing :

- (i) a film-forming polymer as herein defined,
- (ii) a metallic pigment as herein defined;
- (iii) an aqueous diluent medium as herein defined, that in contact with the pigment (ii), tends to react to release gaseous material, and
- (iv) an inhibiting agent that reduces the tendency of the pigment to react with the aqueous diluent to release gaseous material, the inhibiting agent being the reaction product of :
 - (i) an orthophosphoric acid,
 - (ii) a epoxy resin of formula I



of the drawings wherein n is from 1 to 20 and

- (iii) a glyedylether of the kind such as herein described.

Compl. specn. 17 pages.

Drg. 1 sheet

Int. Cl.⁴ : C 09 D 11/10.

165165

SCREEN PRINTING COMPOSITIONS.

Applicant : SERICOL GROUP LIMITED, A BRITISH COMPANY, OF 24, PERSON GREEN LANE, LONDON SW6 4HT, ENGLAND.

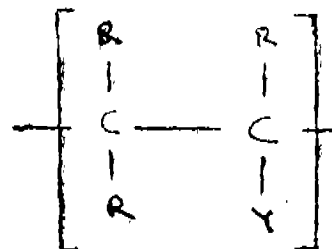
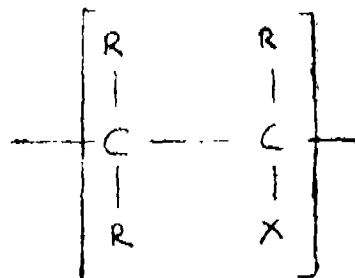
Inventor : PETER DICKINSON.

Application for Patent No. 709/Del/85 filed on 29th August, 85.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110005.

A screen printing stencil composition characterised in that it comprising :

- (a) a stabilised aqueous dispersion of a water insoluble addition copolymer of the kind such as herein described having at least one such of units of the formulas A & B of the drawings.



where each R and X may be the same or different and are selected from the group comprising hydrogen, aryl, substituted aryl, alkyl, substituted alkyl, halogen, cyano, carboxylic acid, carboxylic ester, carboxylic amide, acetal, hydroxyl and anhydride groups, provided always that neither R nor X comprises an hydroxyl group to the extent that the polymer is rendered soluble in water, and Y is an acid cross-linkable moiety containing an N-methylol group, or an alkyl ether or a Mannich base of such a group;

- (b) a water soluble colloid of the kind such as herein described; and
- (c) a photosensitiser of the kind such as herein described.

Compl. specn. 18 pages.

Drg. 1 sheet

Int. Cl.⁴ : H03B 5/00

165166

A CLOCK BUFFER CIRCUIT FOR GENERATING A CLOCK SIGNAL.

Applicant : DIGITAL EQUIPMENT CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF MASSACHUSETTS, OF 146 MAIN STREET, MAYNARD, MASSACHUSETTS 01754, UNITED STATES OF AMERICA.

Inventors : JOHN CHARLES BECK AND DANIEL WILLIAM DOBBERPUHL.

Application for Patent No. 860/Del/85 filed on 16th October, 1985.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A clock buffer circuit for generating a clock signal in response to a timing signal and a first enabling signal, said clock buffer circuit comprising:

- A. input means for receiving said first enabling signal;
- B. second enabling signal generating means responsive to said timing signal for generating a second enabling signal;
- C. clock signal generating means comprising:

- (i) pull-up transistor means having a control terminal and an additional terminal connected to an output node;
- (ii) pull-down transistor means having a control terminal connected to said input means for receiving said first enabling signal, a second terminal connected to said output node and third terminal connected to a second power supply;
- (iii) resistor means having a terminal connected to a first power supply and a second terminal connected to the another terminal of said pull-up transistor means, said resistor means maintaining the transistors in a non-saturated condition when both are conducted; and
- (iv) switch means connected to said input means, said control terminal of said pull-up transistor means and said second enabling signal generating means for selectively coupling the second enabling signal to said control terminal of said pull-up transistor means in response to the condition of said first enabling signal.

Compl. specn. 25 pages

Drg. 3 sheets

Int. CLASS¹: B01J 13/02

165167

A HARD CELATIN LIQUID-PROOF CAPSULE FOR HOLDING A LIQUID OF LOW VISCOSITY.

Applicant: WARNERLAMBERT COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF 201 TABOR ROAD, MORRIS PLAINS, NEW JERSEY 07950, UNITED STATES OF AMERICA.

Inventors: HANS-ULRICH BODENMANN, FRITZ WIT-
TWER, DOMINIQUE CADE AND JEAN PHILIPPE
MAYER.

Application for Patent No. 882/Del/85 filed on 22nd
October, 1985.

Convention date 21st March, 1985/8507384/(U.K.).

Appropriate office for opposition proceedings (Rule 4,
Patent Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims

A hard gelatin liquid-proof capsule for holding a liquid of low viscosity, said capsule comprising:

- (a) a cap with an inner diameter greater than the outer diameter of said body, said cap having on its inner surface wall (i) an annular ridge located at the upper part of the cap near its closed end within the upper 50% of the cap length calculated to the total length of the cap, and spaced from said annular ridge towards the open end of the cap parts are provided at least three protrusions being located within 50 to 95% preferably 50 to 85%, preferably within 55 to 85% and preferably within 65 to 75% of the total cap length, calculated from the top of the closed end of the cap towards its open end to hold cap and body in exactly coaxial position; and

- (b) a body having on its outer surface grooves matching with the annular ridge and the protrusions on the inner surface of the cap so as to provide a substantially distortion-free, full lock between the cap and the body.

Compl. specn. 18 pages

Drg. 4 sheets

Int. CLASS¹: B65D 1/00, G01M 11/08

165168

APPARATUS FOR AUTOMATICALLY INSPECTING
TRANSPARENT CONTAINERS FOR SIDEWALL AND
DIMENSIONAL DEFECTS.

Applicant: BROCKWAY, INC., A CORPORATION
ORGANISED UNDER THE LAWS OF THE STATE OF
NEW YORK, U.S.A., OF McCULLOUGH AVENUE,
BROCKWAY, PENNSYLVANIA 15824, UNITED STATES
OF AMERICA.

Inventors: JAMES ROBERT JOSEPH, JAMES FRED-
RICK WESDOCK, ALLEN LERCH, RONALD CHOL-
LOCK, JOHN WAUGAMAN, GLENN LINDBERG
AND JAMES RICHARD WYMER & BRAD BRENNEN.

Application for Patent No. 884/Del/85 filed on 24th
October, 1985.

Appropriate office for opposition proceedings (Rule 4,
Patent Rules, 1972) Patent Office Branch, New Delhi-110005.

12 Claims

An apparatus for automatically inspecting transparent containers for sidewall and dimensional defects wherein a beam of light and the containers move relative to one another so that the beam traverses the containers and optical means pass light through the containers onto detectors for detecting the intensity of the light, characterised in that the containers move linearly and the beam of light scans the containers a plurality of times, the optical means includes a diffusing screen located at the focal length of a lens means which focuses the light onto the screen, a threshold detecting and counting circuit is connected to photodetectors adjacent the screen for determining the number of times the intensity of light detected by each of the photodetectors crosses respective thresholds, a circuit is provided for synchronizing the threshold detection and counting circuit with the scanning of the light beam so that the determination takes place only during a predetermined portion of each scan as the light beam traverses the containers, and a rejection device is provided to be responsive to the threshold detection and counting means for generating a reject signal when the number of times is at least equal to a predetermined criterion value.

Compl. specn. 25 pages.

Drgs. 3 sheets

Int. CLASS¹: C21B 11/02

165169

A PROCESS AND AN APPARATUS FOR THE PRO-
DUCTION OF MOLTEN PIG IRON AND STEEL PRE-
PRODUCTS WITH SIMULTANEOUS GENERATION OF
REDUCING GAS.

Applicant: VOEST-ALPINE AKTIEGESELLSCHAFT,
AN AUSTRIAN COMPANY, OF 5, MULDENSTRASSE,
A-4020 LINZ, AUSTRIA AND KÖRF ENGINEERING
GMBH., A GERMAN COMPANY, OF 111, NEUSSER
STRASSE, D-4000 DUSSELDORF 1, WEST GERMANY.

Inventors: ROLF HAUKE, GERO PAPST, KLAUS
LANGNER, MICHAEL NAGL, WERNER KEPLINGER
AND LEUPOLD SEIRLEHNER.

Application for Patent No. 895/Del/85 filed on 28th
October, 1985.

Appropriate office for opposition proceedings (Rule 4,
Patent Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims

An improved process for the production of molten pig iron or steel pre-products with the simultaneous generation of reducing gas capable of employing as reductant coal having a C fix content of less than 80% comprises feeding particulate ferrous material, e.g. pre-reduced iron sponge, and coal into a meltdown gassifier, injecting into said gassifier oxygen-containing gas to establish therein a fluidised bed of coke particles and particulate ferrous material in which said ferrous material is reduced, leading off reducing gas generated in said bed during reduction of said ferrous material and removing from said extracted reducing gas entrained coal particles contained therein characterised in that said removed coal particles are burnt and/or gassified and the heat from such burning is supplied as additional heat to said gassifier above the level of injection of said oxygen-containing gas thereto said additional heat being supplied laterally to said gassifier in at least two horizontal planes, a first plane lying in the lower region of said fluidised bed and a second plane lying immediately above the upper end of said fluidised bed.

Compl. specn. 14 pages

Drg. 2 sheets

Int.: CLASS¹ : C07B 61/00

165170

A METHOD OF CONVERTING HALOGEN-CONTAINING ORGANIC COMPOUNDS INTO LESS TOXIC OR NON-TOXIC SUBSTANCES.

Applicant : ALCAN INTERNATIONAL LIMITED, OF 1188 SHERBROOKE STREET WEST, MONTREAL, QUEBEC, H3A 3G2, CANADA, A CANADIAN COMPANY.

Inventors : ROBERT ANDERSON ROSS and RAJEAN LEMAY.

Application for Patent No. 984/Del/85 filed on 22nd November, 1985.

Convention date 23rd November, 1984/8429709/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A method of converting halogen-containing organic compounds into less toxic or non-toxic substances characterized by containing the compounds in gaseous form in the absence of oxygen with a metal selected from Al, Mg, Si, Ti and Be, and alloys thereof having a high specific surface area at a temperature of at least 450°C and a contact time of up to 50 seconds.

Compl. specn. 12 pages.

Int. CLASS¹ : F24J 2/10

165171

METHOD FOR THE MANUFACTURE OF COATED ARTICLES FOR REFLECTANCE OF SOLAR ENERGY.

Applicant : PPG INDUSTRIES, INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF PENNSYLVANIA, U.S.A., OF ONE PPG PLACE, PITTSBURGH 22, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA.

Inventor : RUSSELL CALDWELL CRISS.

Application for Patent No. 993/Del/85 filed on 26th November, 1985.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110005.

11 Claims

A method for the manufacture of a solar energy-reflecting coated article which comprises :

(a) sputtering on to a surface of a transparent substrate a transparent coating of a compound of a metal or an alloy as herein described which exhibits color by absorption and interference effects; and

(b) sputtering over said transparent coating a highly reflective transparent film of metal.

Compl. specn. 10 pages.

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. Nos. 160590 & 160591. Oficina De Investigacion Agrupada, S.A., a company incorporated under the laws of Spain, of Matxaria, 1, Eibar, Guipuzcoa, Spain. "Fanheater-1". 26th December, 1988.

Class 1. Nos. 160663 to 160671. Diatrada Belgium N.V., of Schupstraat 21, 2018 Antwerp, Belgium, a Belgian Company. "a Gem Stone". Reciprocity date is 22nd July, 1988 (U.K.).

Class 1. No. 160693. Surya Morphy Richards Limited, a Company incorporated under the Companies Act, having its office at 1118, Maker Chambers V, Nariman Point, Bombay-400 021, in the State of Maharashtra, within the Union of India. "IRON". 30th January, 1989.

Class 3. No. 160770. Ashish Enterprises, Irani Bldg. Ground floor, 303, Cawasji Street, Bombay-2, State of Maharashtra, India, an Indian Partnership firm. "Pen Stand". 1st March, 1989.

Class 3. No. 160892. Bothra Exports Private Limited, a Company incorporated under the Companies Act, 1956, Manufacturers and Traders, having its registered Office at 1, Tyre Terrace, 205/207, Lamington Road, Bombay-400 007, Maharashtra, India. "Calculator". 19th April, 1989.

Class 3. No. 160600. Luxor Pen Company, 229-Okhla Industrial Estate, Part-III, New Delhi-110020 India. An Indian Company. "Pen". 30th December, 1988.

Class 3. No. 160705. Periwai Plastics Pvt. Ltd., 45 Race Course Road, Industry House, Bangalore, Karnataka, India, and Indian Company. "A GAME". 3rd February, 1989.

Class 3. No. 160734. Jit Plastics, Pro. Jagatjit Industries Limited. An Indian Company, Ashoka Estate, 24-Barakhamba Road, New Delhi-110001, India, An Indian Company. "JAR". 20th February, 1989.

R. A. ACHARYA.
Controller General of Patents,
Designs and Trade Marks

